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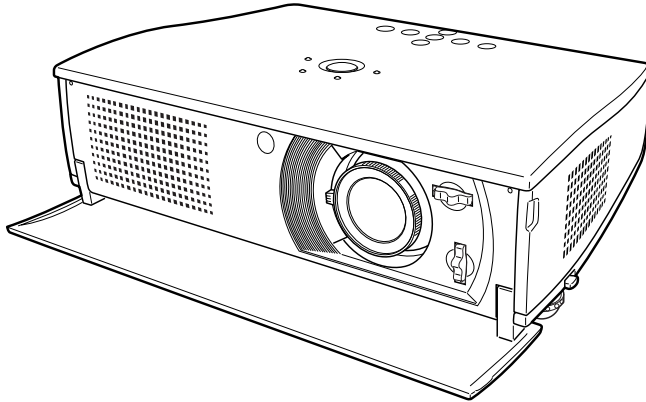
SERVICE MANUAL Multimedia Projector Model No. PLV-Z1

(U.S.A., Canada, Europe
Asia, Africa, U.K.)

ORIGINAL VERSION

Chassis No. M4J-Z100

(PLV-Z1)



NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

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PRODUCT CODE

1 122 115 00 PLV-Z1 (M4JA)

1 122 116 00 PLV-Z1 (P4JA)

1 122 116 02 PLV-Z1 (P4JC)

REFERENCE NO. SM5110416-00

■ Technical Specifications

Technical Specifications


Projector Type	Multi-media Projector
Dimensions (W x H x D)	13.11" x 4.27" x 9.70" (333mm x 108.5mm x 246.5mm) (not including Adjustable Feet)
Net Weight	7.5lbs (3.4 kg)
LCD Panel System	0.7" Wide TFT Active Matrix type, 3 panels
Panel Resolution	964 x 544 dots
Number of Pixels	1,555,200 (964 x 544 x 3 panels)
Color System	PAL, SECAM, NTSC, NTSC4.43, PAL-M and PAL-N
High Definition TV Signal	480i, 480p, 575i, 575p, 720p, 1035i, and 1080i
Scanning Frequency	H-sync. 15 ~ 80 KHz, V-sync. 50 ~ 100 Hz
Projection Image size (Diagonal)	Adjustable from 30" to 200"
Projection Lens	F 2.03 ~ 2.34 lens with f 21.2 mm ~ 25.4 mm with manual zoom and focus
Throw Distance	3.6' ~ 19.7' (1.1 m ~ 6.0 m)
Projection Lamp	130 W
Video Input Jacks	RCA Type x 4 (Video, Y, Pb/Cb, Pr/Cr) and Mini DIN 4 pin x 1 (S-Video)
Computer Input Terminal	(VGA) HDB 15 Terminal x 1
Feet Adjustment	0° to 11.8°
Voltage and Power Consumption	AC 100 ~ 120 V (2.4 A Max. Ampere), 50 / 60 Hz (The U.S.A and Canada) AC 200 ~ 240 V (1.2 A Max. Ampere), 50 / 60 Hz (Continental Europe and The U.K.)
Operating Temperature	41 °F ~ 95 °F (5 °C ~ 35 °C)
Storage Temperature	14 °F ~ 140 °F (-10 °C ~ 60 °C)
Remote Control	Power Source : AA, UM3 or R06 Type x 2 Operating Range : 16.4' (5m) / ±30° Dimensions : 1.85" x 1.18" x 6.26" (47mm x 30mm x 159mm) Net Weight : 4.4oz (125g) (including batteries)
Accessories	Owner's Manual AC Power Cord Remote Control and Batteries Video Cable

- The specifications are subject to change without notice.
- LCD panels are manufactured to the highest possible standards. Even though 99.99% of the pixels are effective, a tiny fraction of the pixels (0.01% or less) may be ineffective by the characteristics of the LCD panels.

■ Safety Instructions

■ SAFETY PRECAUTIONS

WARNING:

The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line () in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed.


- 1: An isolation transformer should be connected in the power line between the projector and the AC line before any service is performed on the projector.
- 2: Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.
- 3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, etc.

DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.

- 4: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any projector to the customer, the service personnel must be sure it is completely safe to operate without danger of electric shock.

■ PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark  in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of the parts must be made by exactly the same parts.

■ SERVICE PERSONNEL WARNING

Eye damage may result from directly viewing the light produced by the Lamp used in this equipment. Always turn off Lamp before opening cover. The Ultraviolet radiation eye protection is required during this servicing.

Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages(20~25kV) at its starts.

Since the lamp is very high temperature during units operation. Replacement of the lamp should be done at least 45 minutes after the power has been turned off, to allow the lamp cool-off.

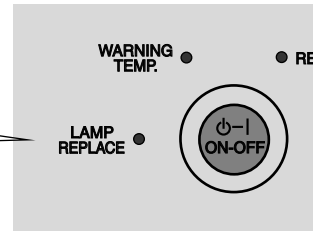
■ Lamp Replacement

■ Lamp Replacement

When the life of the projection lamp draws to an end, the LAMP REPLACE indicator lights yellow. When this indicator lights yellow, replace the projection lamp with a new one promptly.

This indicator lights yellow when the life of the projection lamp draws to an end. Replace the Projection Lamp with a new one.

TOP CONTROL



ALLOW A PROJECTOR TO COOL, FOR AT LEAST 45 MINUTES BEFORE YOU OPEN LAMP COVER. THE INSIDE OF A PROJECTOR CAN BECOME VERY HOT.



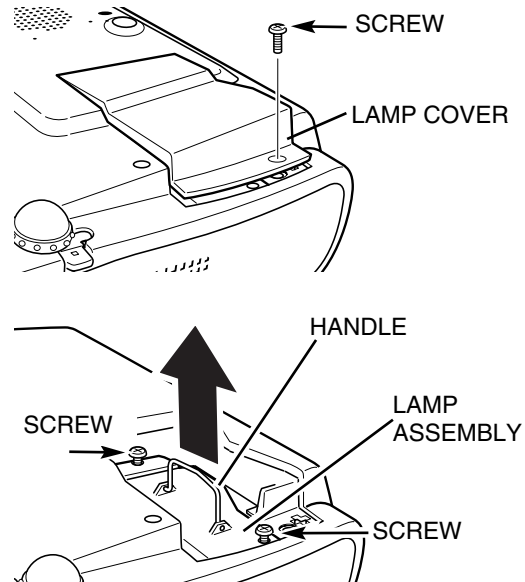
CAUTION

FOR CONTINUED SAFETY, REPLACE WITH A LAMP ASSEMBLY OF THE SAME TYPE. DO NOT DROP A LAMP ASSEMBLY OR TOUCH A GLASS BULB! THE GLASS CAN SHATTER AND MAY CAUSE INJURY.

Follow these steps to replace the lamp assembly.

1. Turn off the projector and disconnect AC plug. Allow the projector to be cooled for at least 45 minutes.
2. To remove the Lamp cover, remove the screw with a screwdriver.
3. Remove 2 screws with a screwdriver and pull out the Lamp assembly by grasping the handle.
4. Replace the Lamp assembly with a new one and tighten 2 screws back into position. Make sure that the Lamp assembly is set properly. Replace the Lamp cover and tighten the screw.
5. Connect the AC Power Cord to the projector and turn on the projector.
6. **Reset the Lamp Replace Counter.**
Refer to "Lamp Replace Counter" on the next page .

NOTE : Do not reset the Lamp Replace Counter when the Projection lamp is not replaced.



ORDER REPLACEMENT LAMP

Replacement Lamp can be ordered through your dealer. When ordering a Projection Lamp, give the following information to the dealer.

- **Model No. of your projector** : **PLV-Z1 / PLV-Z1BL**
- **Replacement Lamp Type No.** : **POA-LMP54**

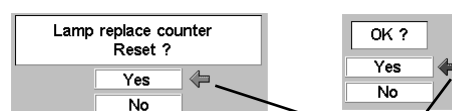
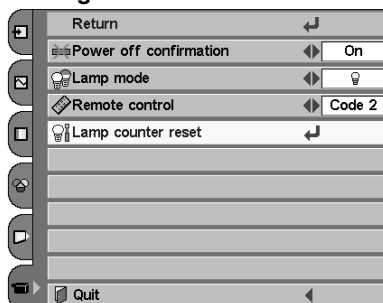
(Service Parts No. 610 302 5933)

■ Lamp Replacement Counter

Be sure to reset the Lamp Replace Counter after the Lamp assembly is replaced. After the Lamp Replace Counter is reset, the LAMP REPLACE indicator stops lighting.

1. Turn on the projector and press the MENU button. The main menu appears. Select the Setting menu with the POINT UP/DOWN button, and then press the POINT RIGHT button to enter the sub-menu.
2. Choose the Lamp counter reset with the POINT UP/DOWN button, and then press the SELECT button.
3. The message "Lamp replace counter reset?" is displayed. Select "Yes" with the SELECT button, and the other confirmation display appears. Select "Yes" with the SELECT button to reset.
The LAMP REPLACE indicator stops lighting after the Lamp Replace Counter is reset.

Setting menu



Select "Yes" to reset.

NOTE : Do not reset the Lamp Replace Counter before the Projection lamp is replaced.



LAMP HANDLING PRECAUTIONS

This projector uses a high-pressure lamp which must be handled carefully and properly. Improper handling may result in accidents, injury, or create a fire hazard.

- Lamp lifetime may differ from lamp to lamp and according to the environment of use. There is no guarantee of the same lifetime for each lamp. Some lamps may fail or terminate their lifetime in a shorter period of time than other similar lamps.
- If the projector indicates that the lamp should be replaced, i.e., if the LAMP REPLACE INDICATOR lights up, replace the lamp with a new one IMMEDIATELY after the projector has cooled down.
(Follow carefully the instructions in the Lamp Replacement section of this manual.) Continuous use of the lamp with the LAMP REPLACE INDICATOR lighted may increase the risk of lamp explosion.
- A Lamp may explode as a result of vibration, shock or degradation as a result of hours of use as its lifetime draws to an end. Risk of explosion may differ according to the environment or conditions in which the projector and lamp are being used.











IF A LAMP EXPLODES, THE FOLLOWING SAFETY PRECAUTIONS SHOULD BE TAKEN.

If a lamp explodes, disconnect the projector's AC plug from the AC outlet immediately. Contact an authorized service station for a checkup of the unit and replacement of the lamp. Additionally, check carefully to ensure that there are no broken shards or pieces of glass around the projector or coming out from the cooling air circulation holes. Any broken shards found should be cleaned up carefully. No one should check the inside of the projector except those who are authorized trained technicians and who are familiar with projector service. Inappropriate attempts to service the unit by anyone, especially those who are not appropriately trained to do so, may result in an accident or injury caused by pieces of broken glass.

■ Indicators and Projector Condition

■ Indicators and Projector Condition

Check the Indicators for projector condition.

Indicator		Projector Condition
LAMP	 Red Light	The projector is OFF.
	 Dim Light	The projector is ON.
	 Off	The MAIN ON/OFF switch is off or AC Power Cord is disconnected.
READY	 Green Light	The projector is READY to be turned on.
	 Green Flashing	The projector is in the Power management mode.
	 Off	The projector is OFF. (The MAIN ON/OFF switch is off, AC Power Cord is disconnected, or the front cover is closed.)
WARNING TEMP.	 Red Flashing	The temperature inside the projector is abnormally high. Flashing stops when the temperature returns to normal. The projector cannot be turned on until the indicator goes off.
	 Off	The projector is operating normally.
LAMP REPLACE	 Yellow Light	The projection lamp needs to be replaced.
	 Off	The projector is operating normally.

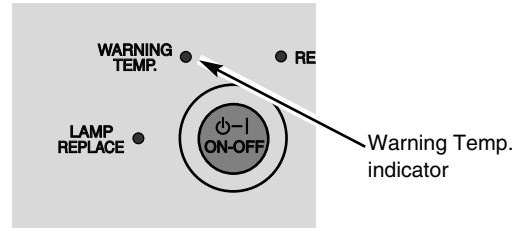
■ Temp. Indicator and Cleaning

■ Warning Temp. Indicator

The WARNING TEMP. indicator flashes red when an internal temperature of the projector exceeds the normal temperature. The indicator stops flashing when the temperature of the projector returns to normal. When the WARNING TEMP. indicator continues to flash, check the items listed below.

1. Ventilation slots of the projector may be blocked. In such an event, reposition the projector so that the Ventilation slots cannot be obstructed.
2. The Air filter may be clogged with dust particles. Clean the Air filter by following the section "Air Filter Care and Cleaning" below.
3. If the WARNING TEMP. indicator remains on after performing the above checks, the Cooling fans or the internal circuits may be malfunctioning. Contact service personnel from an authorized dealer or a service station.

TOP CONTROL



■ Air Filter Care and Cleaning

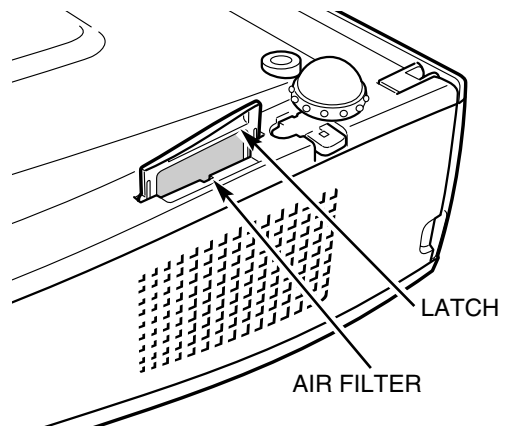
The removable Air filter prevents dust from accumulating on the surface of the projection lens and projection mirror. Should the Air filter become clogged with dust particles, it will reduce the cooling fans' effectiveness and may result in internal heat build up and adversely affect the life of the projector. Clean the Air filter by following the steps below.

1. Turn off the projector, and disconnect AC Power Cord from the AC outlet.
2. Turn over the projector and remove the Air filter by pulling the latch upward.
3. Clean the Air filter with a brush or wash out dust and particles.
4. Replace the Air filter properly. Make sure that it is fully inserted.



CAUTION

Do not operate the projector with the Air filter removed. Dust may accumulate on the LCD panels and the projection mirror degrading picture quality. Do not put small parts into the Air intake vents. It may result in malfunction of the projector.



Operating Environment

We recommend avoiding dusty/smoky environments when operating a projector.

When using under dusty or smoky conditions, dust may accumulate on the lens, liquid crystal panels, or optical elements inside the projector. This condition may degrade the quality of a projected image and the life of the projector. When the above symptoms are noticed, contact your authorized dealer or service station for proper cleaning.

■ Cleaning the Projection Lens

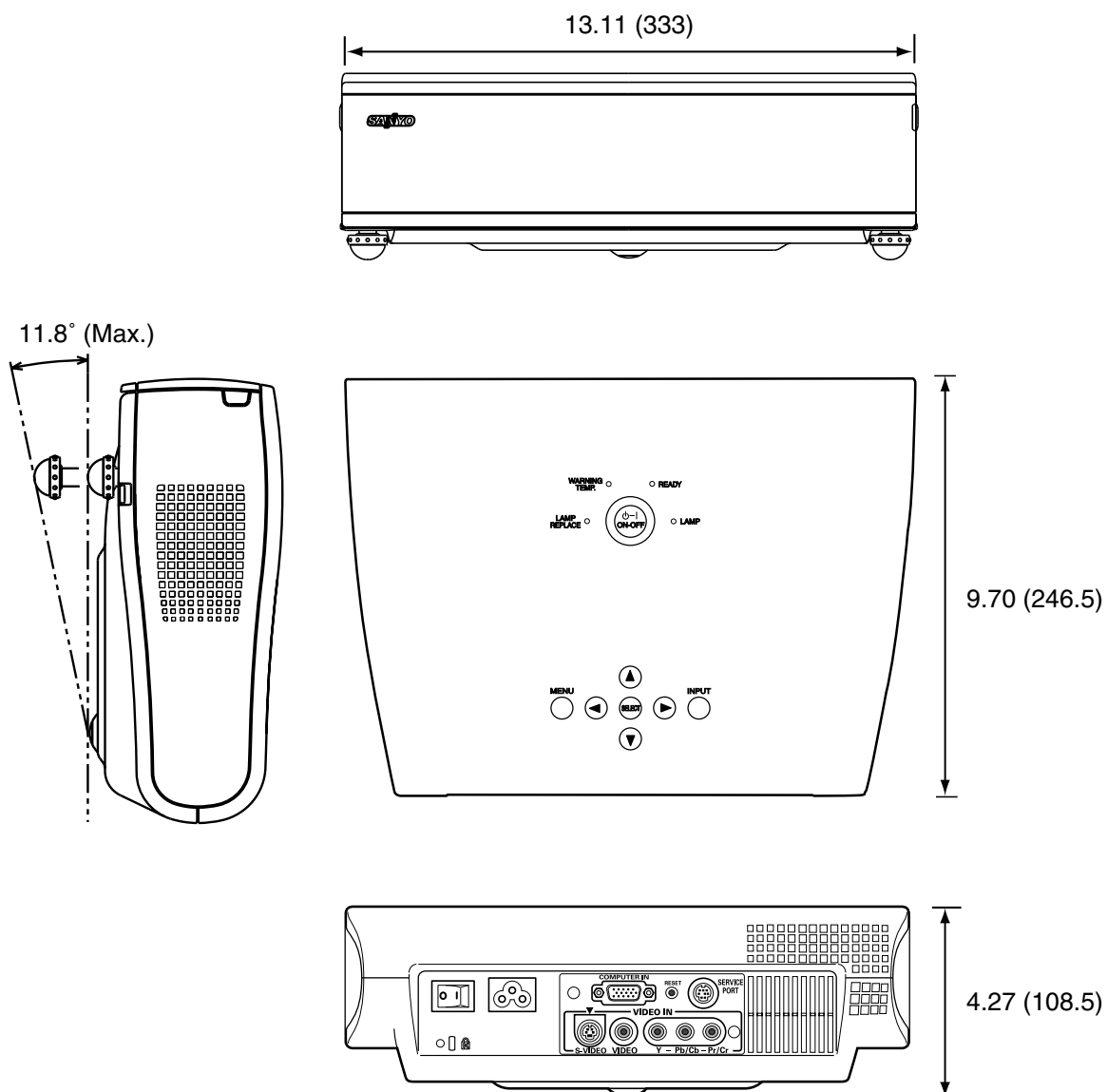
Follow these steps to clean the projection lens.

1. Apply a non-abrasive camera lens cleaner to a soft, dry cleaning cloth. Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents or other harsh chemicals might scratch a surface.
2. Lightly wipe the Projection lens with a cleaning cloth.
3. When the projector is not in use, close the front cover.

■ Dimensions

■ Dimensions

Unit : inch (mm)



■ Protections

This projector is equipped with the following protections to operate in safety. If the abnormality occurs inside the projector, it will turn off the projector by operating one of the following protections.

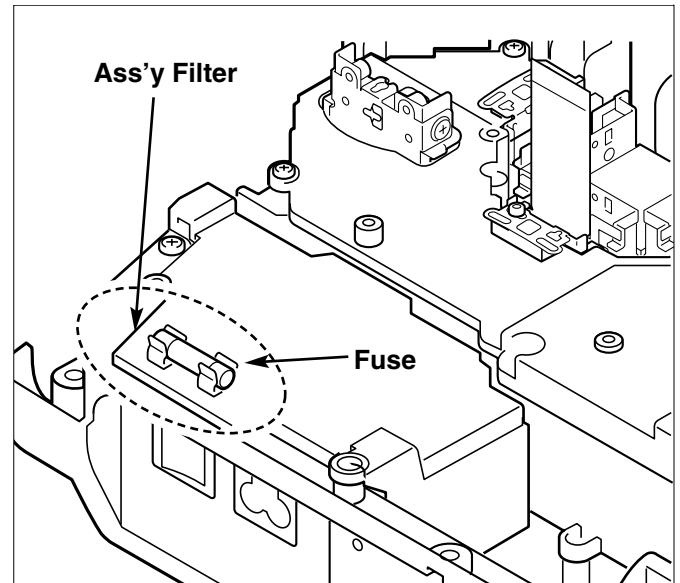
■ FUSE FOR CIRCUIT PROTECTION

The fuse is located on the ass'y-filter. When either the LAMP indicator or the READY indicator is not illuminated, fuse may be opened. Check the fuse as following steps.

1. Remove the ass'y-filter following to "Mechanical Disassemblies".
2. Remove the fuse from fuse holder.
3. Check the resistance of fuse by using the tester.

To install the fuse, take reversed step in the above.

It should be used the specified fuse as parts list.



■ OVERHEATING PROTECTION (The temperature monitor system)

The temperature monitor system is provided to prevents damage of component parts inside the projector from overheat. Two protection systems are provided. Each system operating as follows.

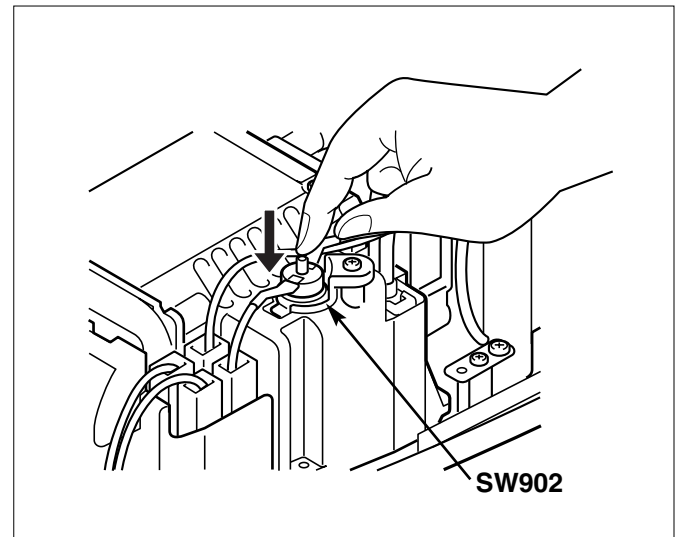
■ Temperature monitor -1 :

When this function operates, warning-temperature-indicator flashes. And cooling fan continues operating until it becomes a normal temperature. If it continue to flush and flash does not stopped, disconnect the AC cord and investigate the cause of overheating.

■ Temperature monitor -2 :

(thermostat switch SW902)

This function (thermostat switch SW902) will not operate, while the temperature monitor -1 is operating normally. If it has operated, it needs to be reset manually. Disconnect the AC cord first and investigate the cause of overheating. After servicing, reset the thermostat switch (SW902) as shown in a figure.



1. CABINET - TOP REMOVAL

1. Remove six screws to take the Cabinet Top upward off.

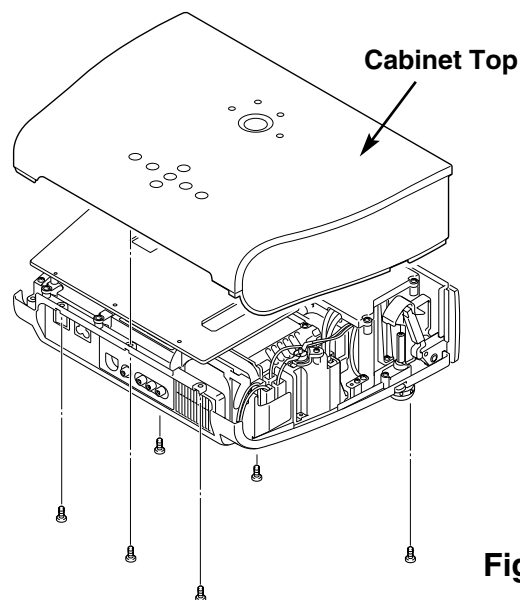


Fig. 1

2. MAIN BOARD AND THERMAL BARRIER PLATE REMOVAL

1. Remove six screws **A** to take the Main Board upward off.
2. Remove the screw **B** to take the thermal barrier plate upward off.

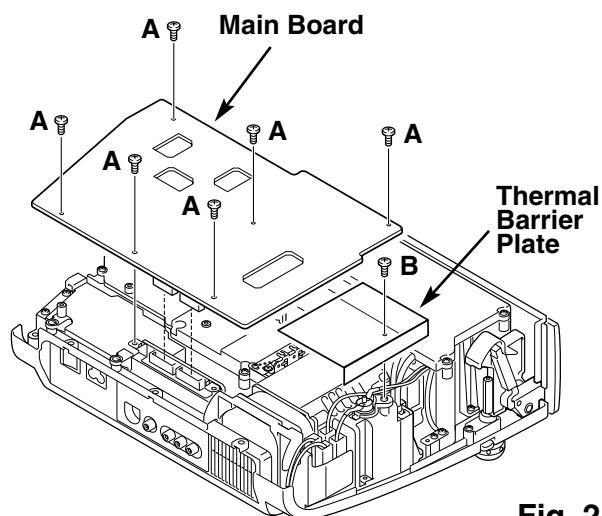


Fig. 2

3. CABINET - FRONT REMOVAL

1. Open the door.
2. Remove the screw to take the Cabinet Front off.

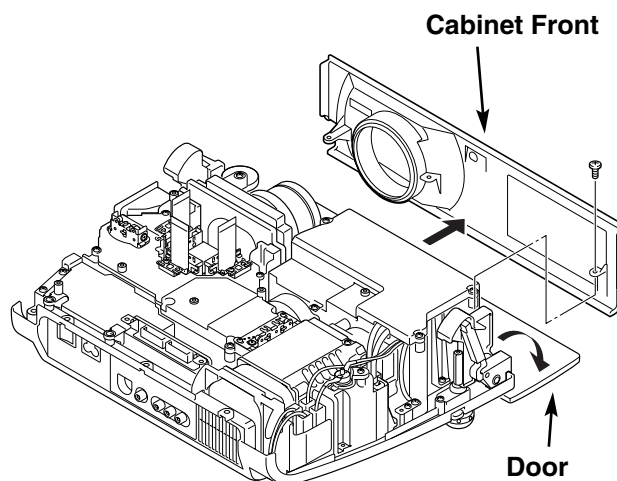


Fig. 3

4. DOOR REMOVAL

1. Remove two screws to take the Door off.

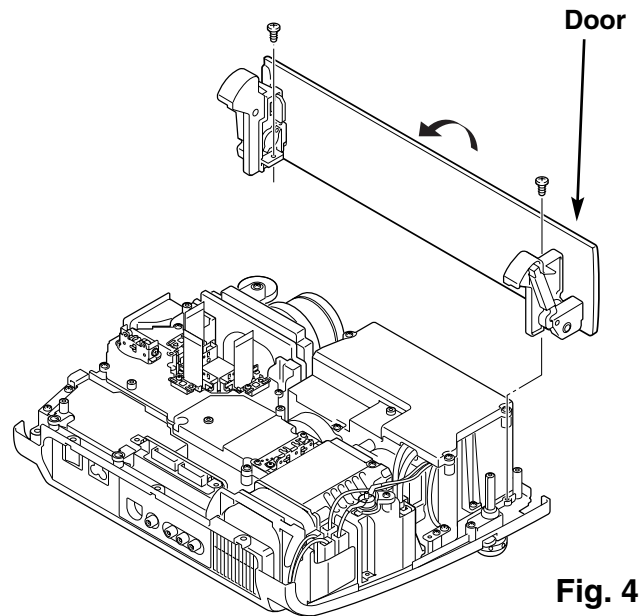


Fig. 4

5. DOOR LEG AND DOOR SWITCH BOARD REMOVAL

1. Remove the screw to take each leg off.
2. Pull the Door Switch Board out.

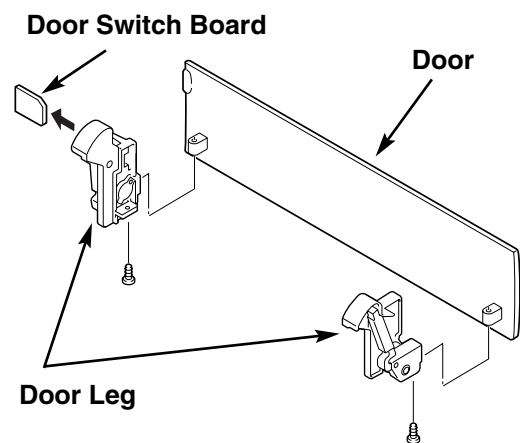


Fig. 5

6. AV BOARD REMOVAL

1. Remove three screws to take the AV Board upward off.

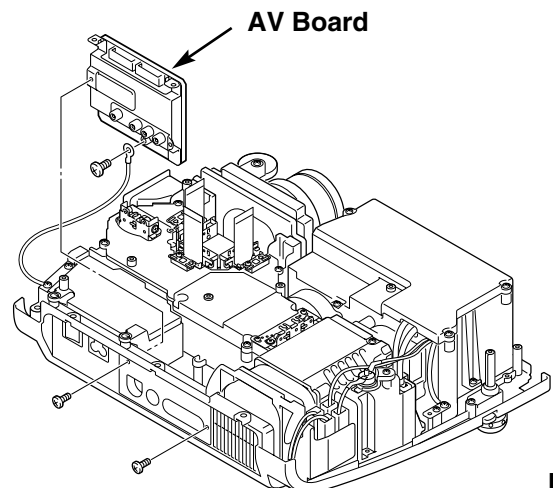


Fig. 6

7. LAMP BALLAST UNIT REMOVAL

1. Remove four screws **A** to take the Lamp Ballast Cover upward off.
2. Remove the screw **B** to disconnect the Lamp Ballast Socket.
3. Remove five screws **C** to take the Lamp Ballast Unit off.

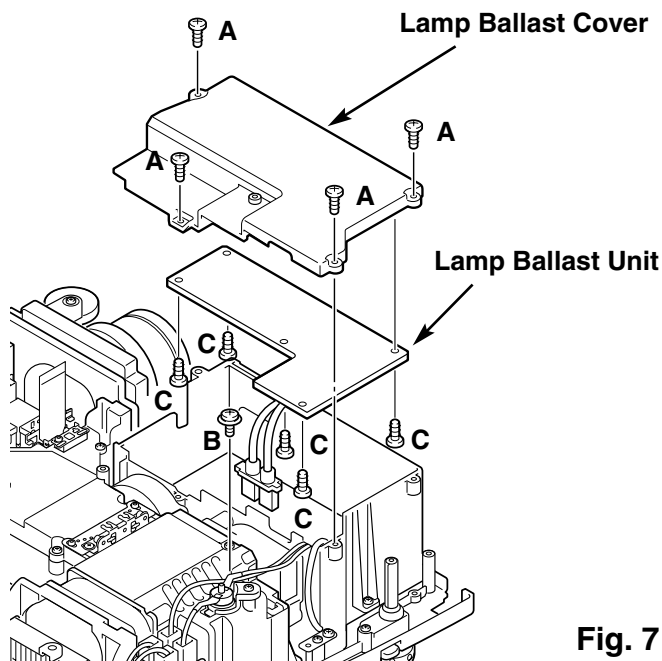


Fig. 7

8. POWER UNIT, R/C BOARD, AND FANS REMOVAL

1. Remove five screws **A** to take the Power Unit upward off.
2. Remove three screws **B** to take the Power Unit Ass'y upward off.
3. Remove two screws **C** to take the Fan (FAN904) off.
4. Remove two screws **D** to take the Fan (FAN903) off.

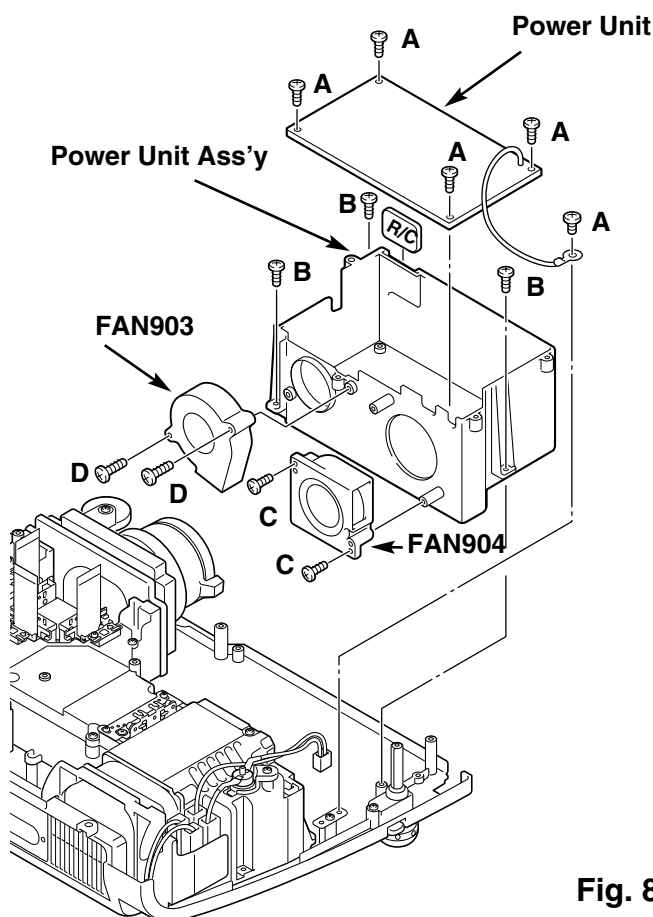


Fig. 8

Note:

The transparent plates are fixed between the Lamp Ballast Unit and the Power Unit to control the flow of air by the fans. After servicing, fix them to previous position.

9. OPTICAL UNIT, LAMP ASS'Y, AND FAN REMOVAL

1. Remove the screw **A** to take the Lamp Cover and the Lamp Ass's off.
2. Remove six screws **B** to take the Optical Unit upward off.
3. Remove three screws **C** to take the Fan (FAN905) off.

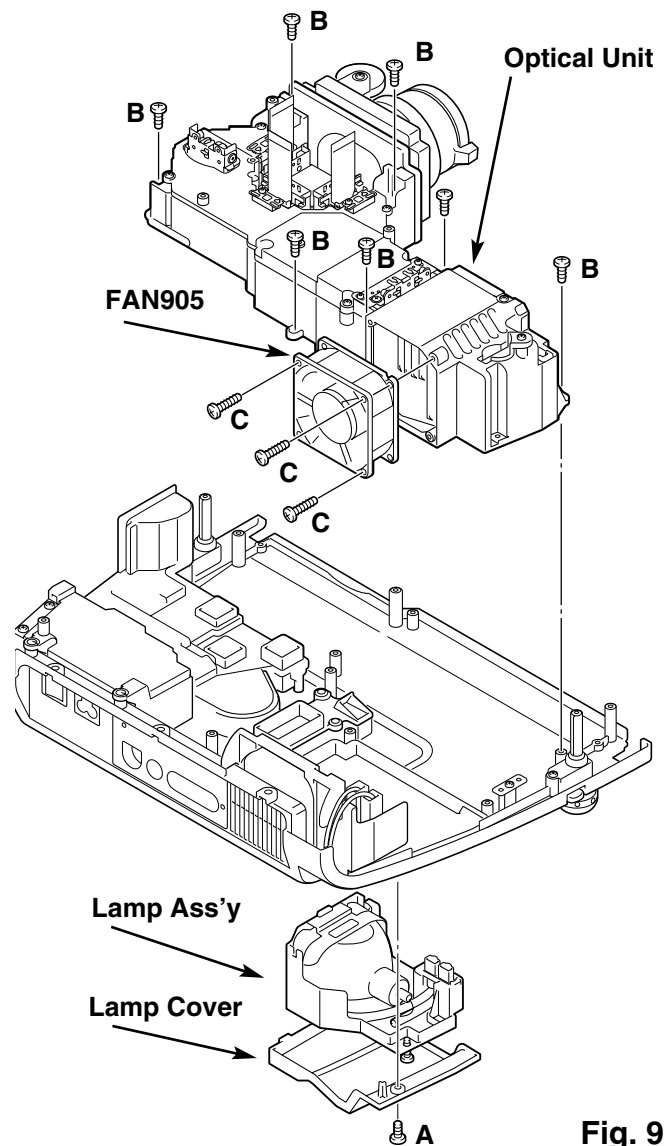


Fig. 9

10. FILTER BOARD REMOVAL

1. Remove two screws **A** to take the Filter Cover upward off.
2. Remove five screws **B** to take the Filter Board off.

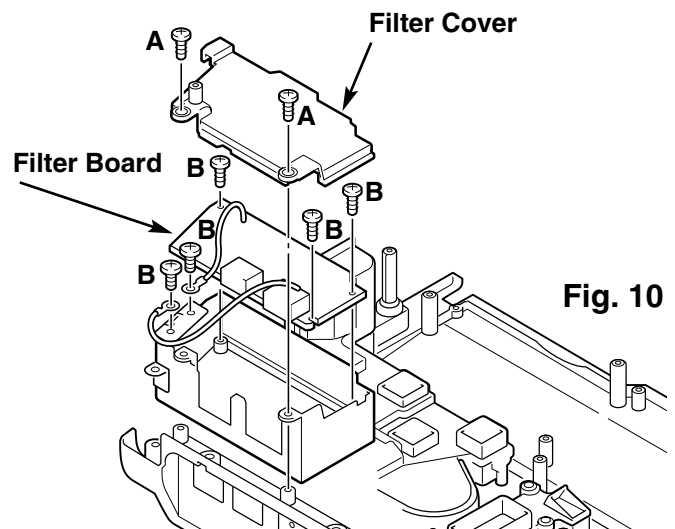


Fig. 10

11. FANS REMOVAL

1. Remove seven screws **A** to take the Fan Cover and Fan (FN902) off.
2. Remove two screws **B** to take the Fian (FN901) off.

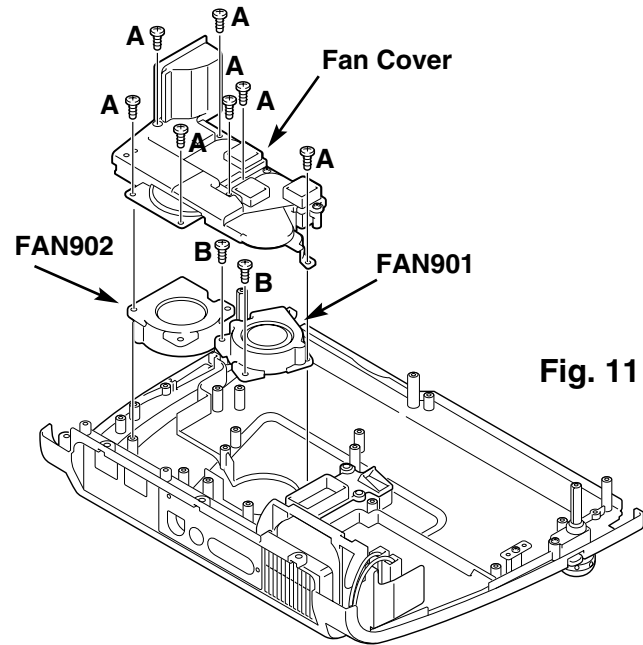


Fig. 11

■ Optical Parts Disassemblies

Before Taking this procedure, remove Cabinet Top and Main board following to the “Mechanical Disassemblies”.

Disassembly requires a 2.0mm hex wrench and a screwdriver.

1. PROJECTION LENS REMOVAL

1. Remove the Cabinet Front following to “CABINET - FRONT REMOVAL” on “Mechanical Disassemblies”.
2. Remove four screws to take the Projection Lens with Cushion Ring off.

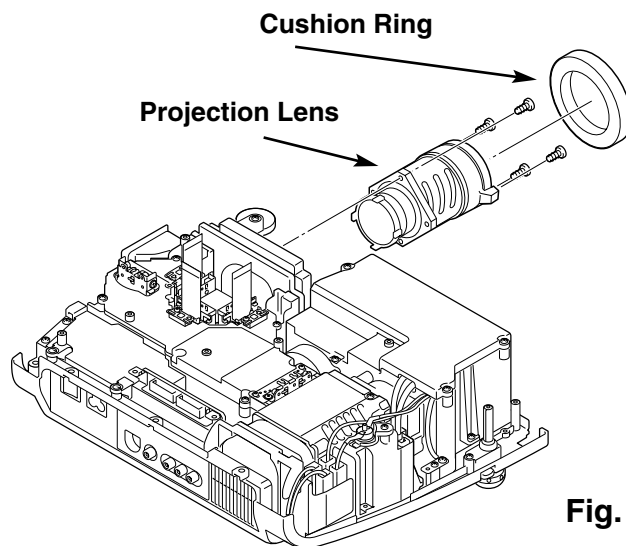


Fig. 1

2. INTEGRATOR LENS REMOVAL

1. Remove two screws and pull the Integrator Lens Ass'y upward.
2. Remove the Stopper and bend four hooks and then take the Lens off from the Holder.

Note:

Should be placed the lens as the rugged surface side of it comes to the holder side.

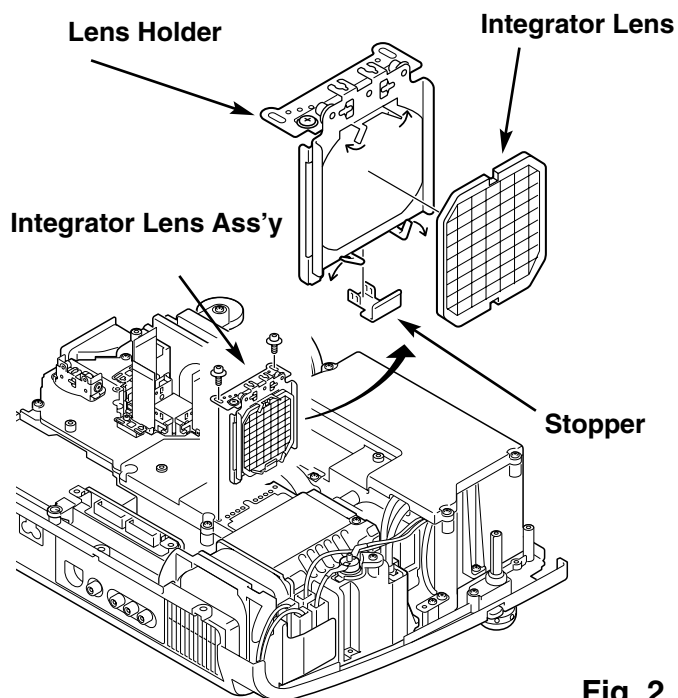


Fig. 2

3. RELAY LENS REMOVAL

1. Remove two screws **A** and pull the Relay Lens Ass'y upward.
2. Remove two screws **B** to take the Lens off from the Holder.

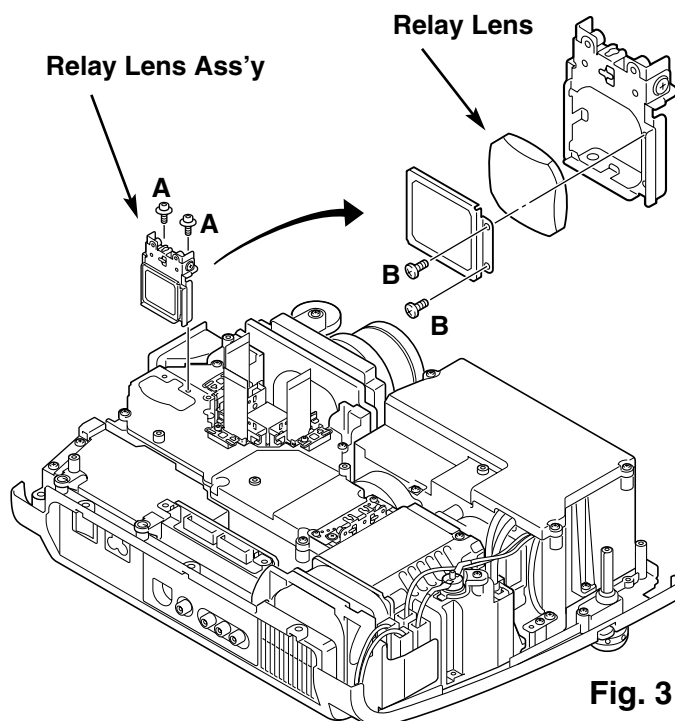


Fig. 3

4. POLARIZED GLASS-IN REMOVAL

1. Remove each screw and pull the Polarized Glass-In Ass'y upward.
2. Unhook the stoppers and take the glass off upward.

Note:

Should be placed the glass as the film attached side come to the prism side.

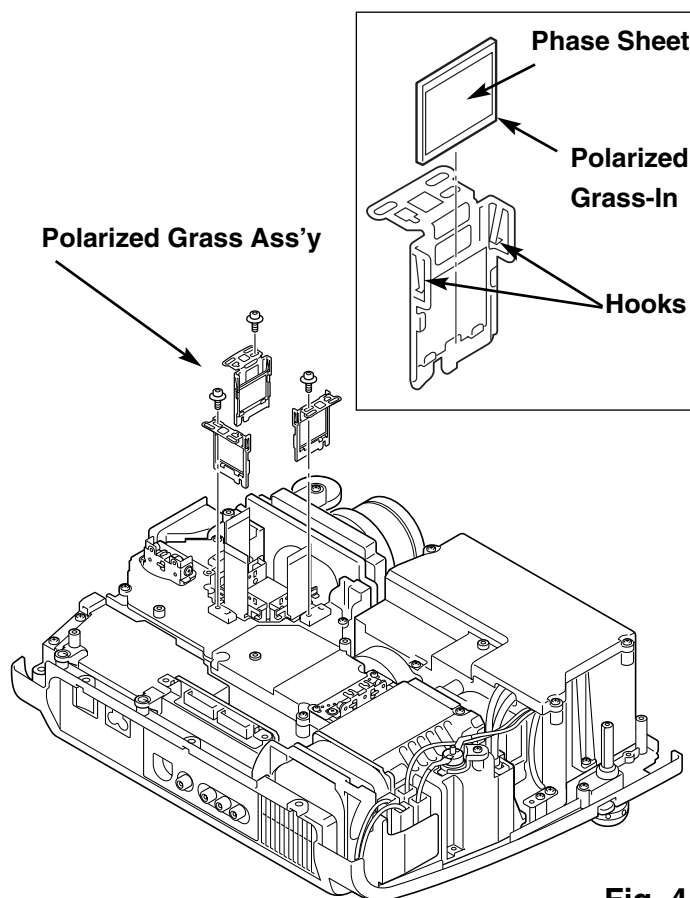


Fig. 4

5. POLARIZED GLASS-OUT REMOVAL

1. Remove four screw **A** and take the LCD Panel/Prism Ass'y upward from the Optical Unit.
2. Remove each screw **B** and take the glass off upward.

Note:

1. Do not replace the LCD panel separately otherwise it can not obtain proper picture
2. Should be replaced the glass as the film attached side comes to the LCD panel side.

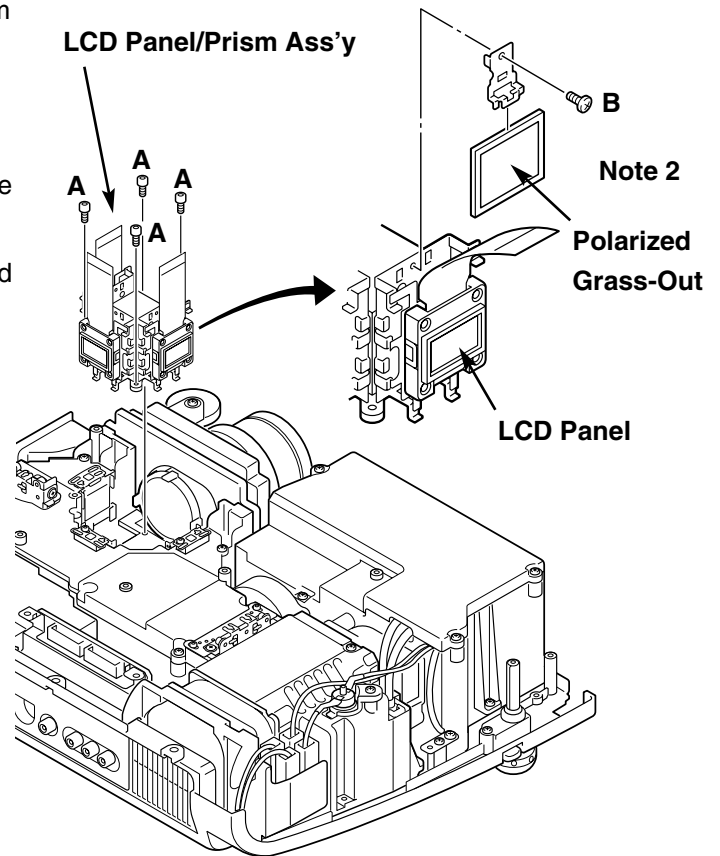


Fig. 5

6. OPTICAL UNIT TOP REMOVAL

1. Remove eight screws to take the Optical Unit Top off upward.

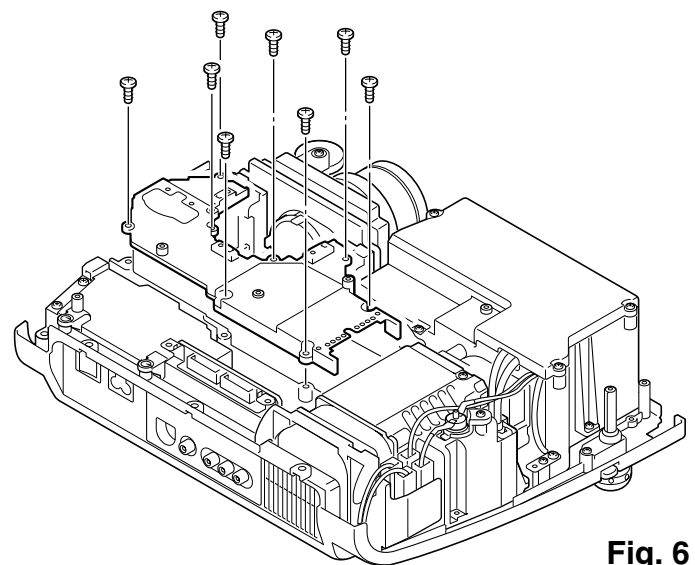
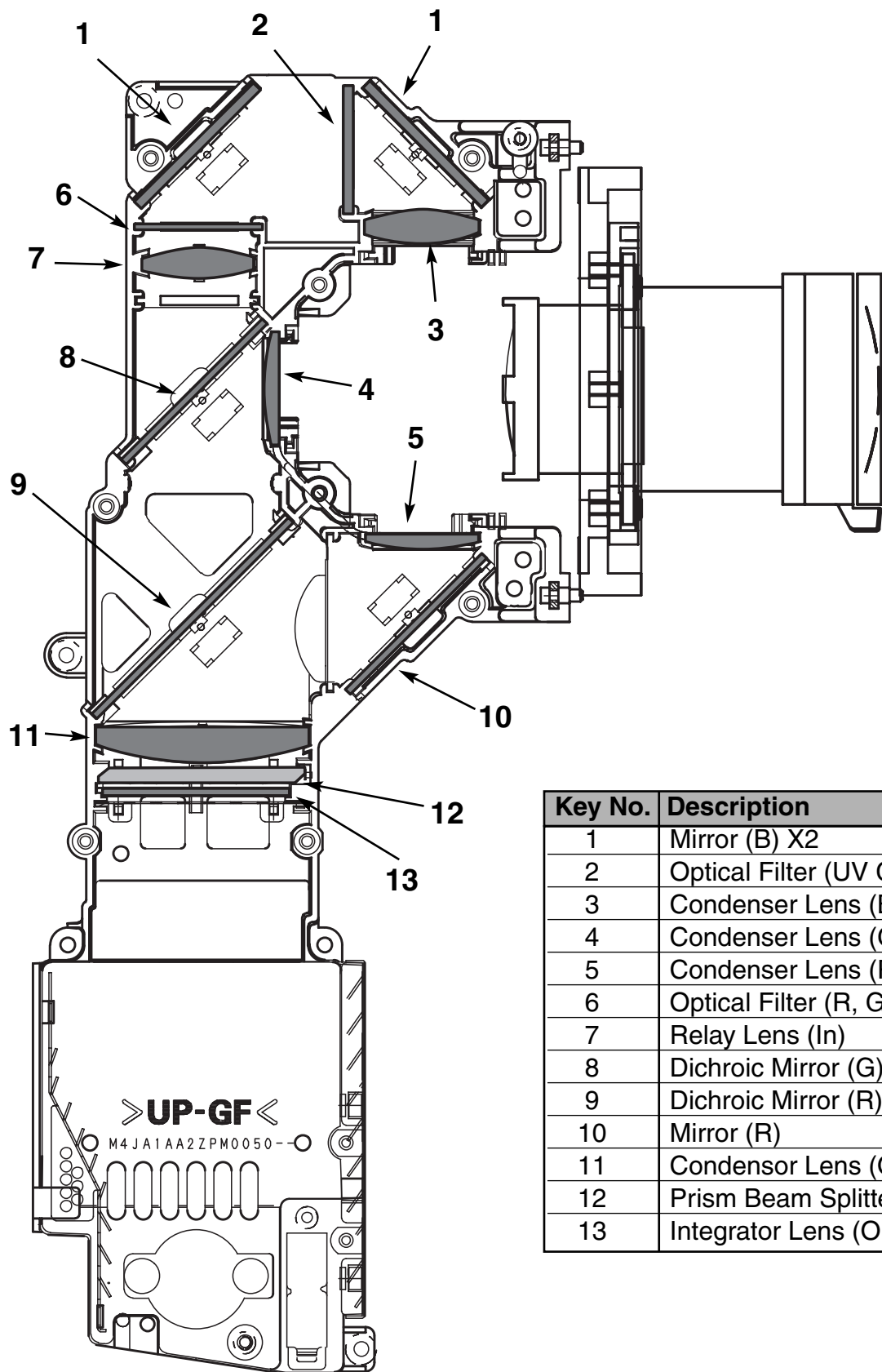


Fig. 6

7. LOCATIONS IN OPTICAL UNIT

When mounting or assembling the optical parts in the optical unit, the parts must be mounted specified location as shown in figure below.



Key No.	Description
1	Mirror (B) X2
2	Optical Filter (UV Cut)
3	Condenser Lens (B)
4	Condenser Lens (G)
5	Condenser Lens (R)
6	Optical Filter (R, G)
7	Relay Lens (In)
8	Dichroic Mirror (G)
9	Dichroic Mirror (R)
10	Mirror (R)
11	Condensor Lens (Out)
12	Prism Beam Splitter (PBS)
13	Integrator Lens (Out)

■ Optical Adjustment

Before taking optical adjustments below, remove the Cabinet Top and Main Board following to the “Mechanical Disassemblies”

Adjustments require a 2.0mm hex wrench and a slot screwdriver. When you adjust Integrator lens or Relay lens adjustment, you need to disconnect some connectors and FPC cables of LCD panels on the main board.

Note:

1. Do not disconnect connectors K56M, K56N, K48K, K8E, K8H, K66A, K66B, K66C, K66D and K66F on the main board, because the projector can not turn on or operate properly for adjustment.
2. In case of adjusting without the cabinet top, the setting for Fan Control is needed specially as shown below. (Refer to “Electrical Adjustment” to enter the service mode and adjust.) After servicing, set to previous data.

Adjustment Item: No. 51

Adjustment Data: “0” (With Cabinet Top) → “1” (Without Cabinet Top)

1. CONTRAST ADJUSTMENT

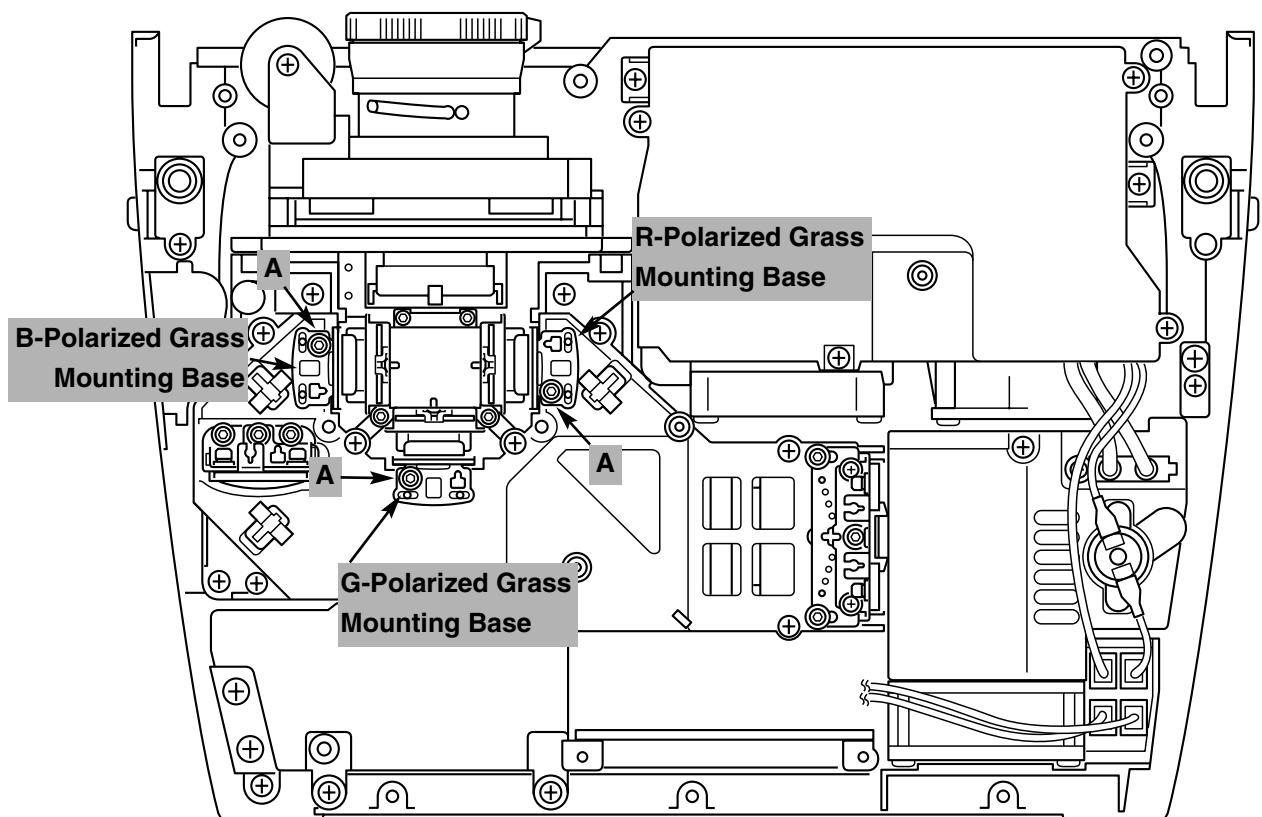
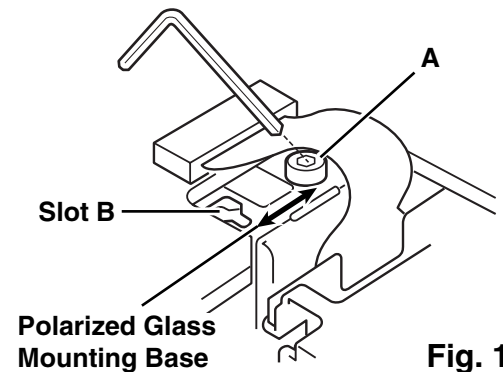
[Before Adjustment]

- Input a 100% of black raster signal.

[R/G/B-CONTRAST ADJUSTMENT]

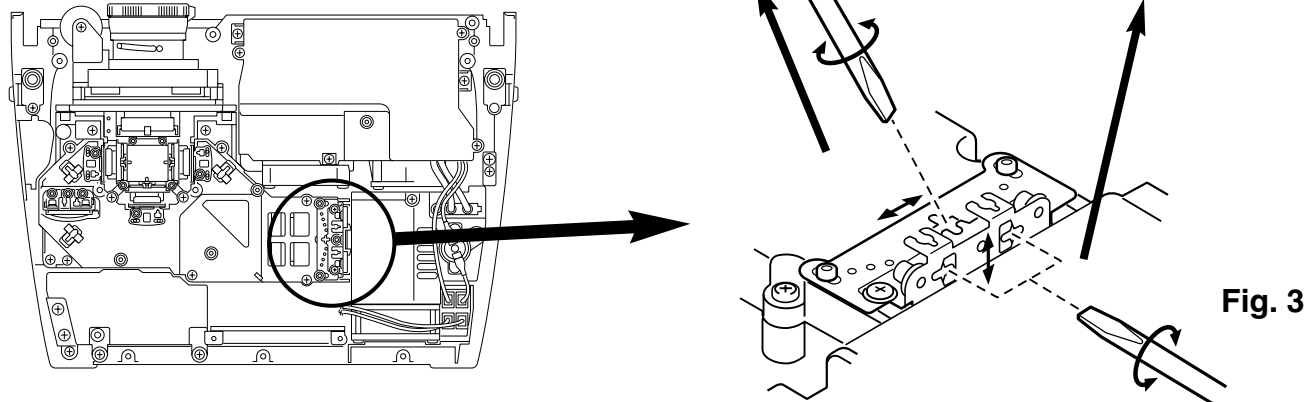
1. Loosen a screw **A** on the polarized glass mounting base which you intend to adjust.
2. Turn the polarized glass mounting base as shown in **Fig. 1** to obtain the darkest brightness on the screen.
3. Tighten the screw **A** to fix the polarized glass mounting base.

Repeat steps 1 to 3 for remaining polarized glasses.



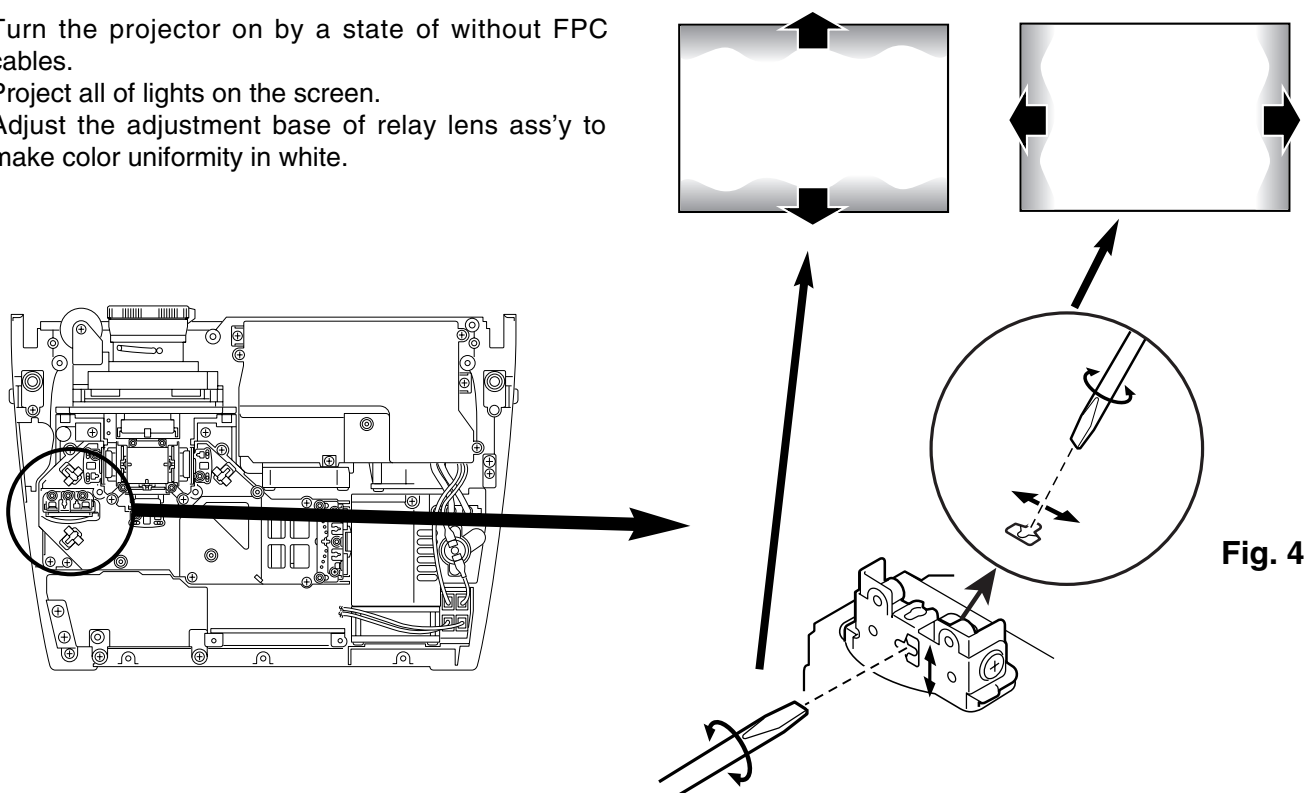
2. INTEGRATOR ADJUSTMENT

1. Turn the projector on by a state of without FPC cables.
2. Project all of lights on the screen.
3. Adjust the adjustment base of integrator lens ass'y to make color uniformity in white.



3. RELAY ADJUSTMENT

1. Turn the projector on by a state of without FPC cables.
2. Project all of lights on the screen.
3. Adjust the adjustment base of relay lens ass'y to make color uniformity in white.



■ Electrical Adjustment

■ SERVICE ADJUSTMENT MENU OPERATION

■ To enter service mode

To enter service mode press the "MENU" and "INPUT" buttons on the projector simultaneously and hold for 2 seconds. As shown in a figure, a service mode display appears on a screen.

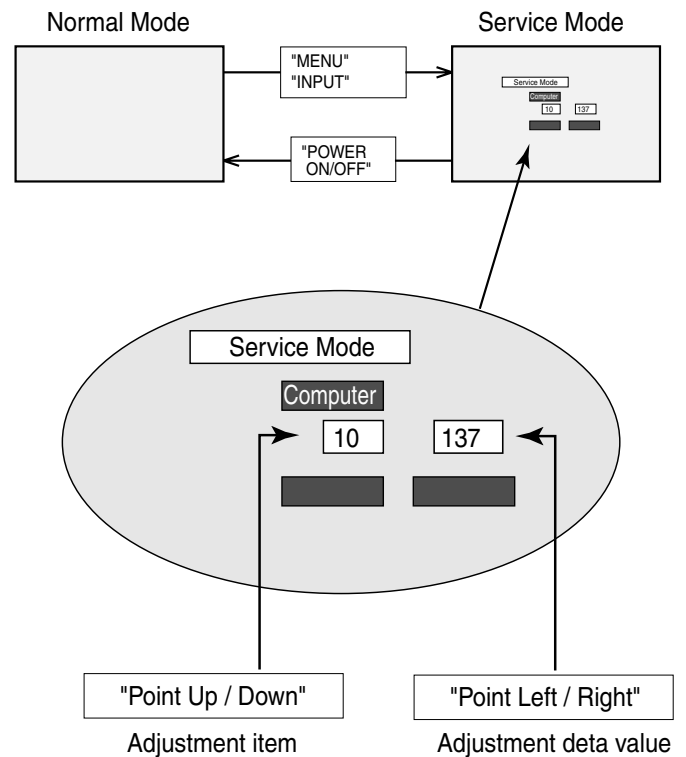
■ Adjustment

Adjust service data using the following control buttons.

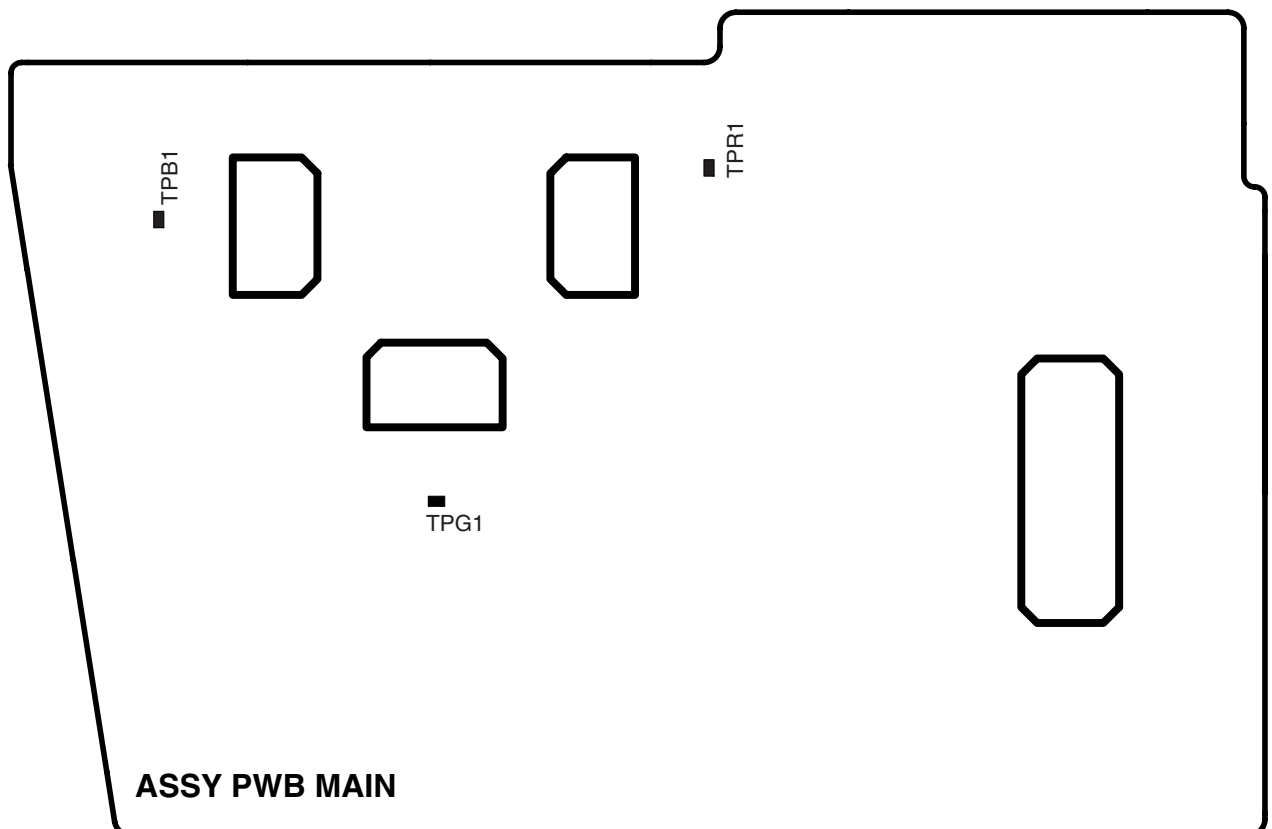
1. "POINT UP" ----- An item number increases.
2. "POINT DOWN" -- An item number decreases.
3. "POINT RIGHT" -- An adjustment value increases.
4. "POINT LEFT" ---- An adjustment value decreases.

■ To exit service mode

Press the "POWER on/off" button only once on the projector or remote control unit to quit the service mode.



■ LOCATION OF TEST POINT



■ SERVICE MODE ADJUSTMENT MENU

Item-no.	Adjustment Item	Adjustment Mode			
		Not designated	PC	AV	Component
42	1. PSIG adjustment		●		
43	1. PSIG adjustment		●		
1	2. Signal center DC adjustment-Red		●		
2	2. Signal center DC adjustment-Green		●		
3	2. Signal center DC adjustment-Blue		●		
7	3. Red contrast adjustment		●	●	●
8	3. Green contrast adjustment		●	●	●
9	3. Blue contrast adjustment		●	●	●
10	4. Red signal amplitude adjustment		●		
11	4. Green signal amplitude adjustment		●		
12	4. Blue signal amplitude adjustment		●		
13	5. Flicker reduction -Red		●		
14	5. Flicker reduction -Green		●		
15	5. Flicker reduction -Blue		●		
16	6. Contrast linearity adjustment		●	●	●
17	7. White balance adjustment-Red		●	●	●
18	7. White balance adjustment-Blue		●	●	●

Caution :

Other adjustment items are not related to service and a maintenance. Don't press the VOLUME (+) and (-) button at the time of those adjustment items. Otherwise it may cause loss of product safety.

Note :

In case of adjusting without the cabinet top, the setting for Fan Control is needed specially as shown below. (Refer to "Electrical Adjustment" to enter the service mode and adjust.) After servicing, set to previous data.

Adjustment Item: No. 51

Adjustment Data: "0" (With Cabinet Top) → "1" (Without Cabinet Top)

■ ELECTRICAL ADJUSTMENTS

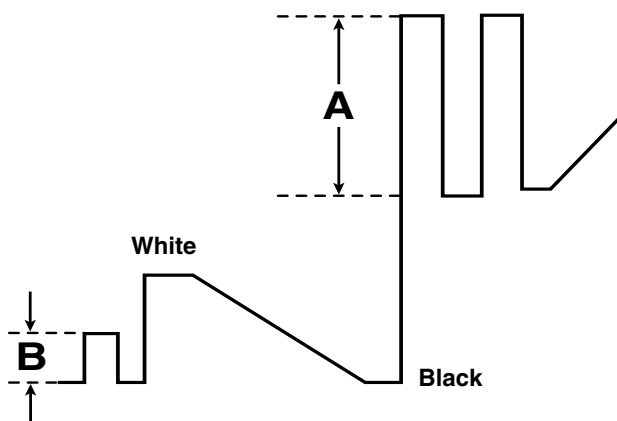
1. PSIG Adjustments

Equipment	Oscilloscope
Test Point	TP-G1
Input mode	Computer
Input Signal	16 step gray scale signal

Enter the Service mode.

Adjust values of below items by the Volume + or - button.

Item no.	Adjustment part	Adjustment value
42	DC level-A in a figure	4.5 ± 0.1 V-DC.
43	DC level-B in a figure	0.5 ± 0.1 V-DC.



2. Signal center DC Adjustments

Equipment	Digital voltmeter.
Input mode	Computer
Input Signal	16 step gray scale signal

Enter the Service mode.

Adjust below values of each test points by the Volume + or - button.

Item no.	Test Point	Adjustment value
1	TP-R1	7.0 ± 0.05 V-DC.
2	TP-G1	7.0 ± 0.05 V-DC.
3	TP-B1	7.0 ± 0.05 V-DC.

3. Contrast Adjustments

Equipment	Oscilloscope
Input Signal	16 step gray scale signal

Enter the Service mode.

Adjust below level "A" in each test point to be minimum amplitude by the Volume + or - button.

3-1 Input mode **Computer**

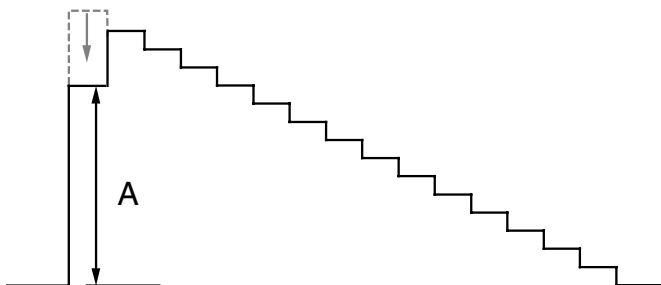
Item no.	Test Point
7	TP-R1 (Red contrast of PC)
8	TP-G1 (Green contrast of PC)
9	TP-B1 (Blue contrast of PC)

3-2 Input mode **AV (NTSC)**

Item no.	Test Point
7	TP-R1 (Red contrast of AV)
8	TP-G1 (Green contrast of AV)
9	TP-B1 (Blue contrast of AV)

3-3 Input mode **Component (480i)**

Item no.	Test Point
7	TP-R1 (Red contrast of Component)
8	TP-G1 (Green contrast of Component)
9	TP-B1 (Blue contrast of Component)



4. Signal Amplitude Adjustments

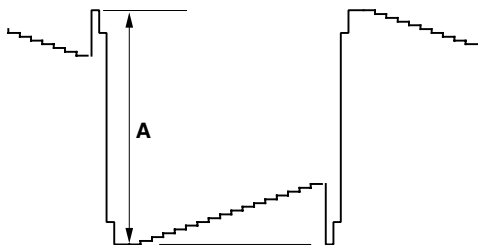
Equipment Oscilloscope
Input Signal 16 step gray scale signal

Enter the Service mode.

Adjust the amplitude of part A to be below value for each test point by the Volume + or - button.

5-1 Input mode Computer

Item no.	Test Point	Adjustment value
10	TP-R1	10.0 ± 0.1 Vp-p
11	TP-G1	10.0 ± 0.1 Vp-p
12	TP-B1	10.0 ± 0.1 Vp-p



5. Flicker Reduction

Input mode Computer
Input Signal 1dot computer signal

Enter the Service mode.

Adjust to be minimum flicker for each color by the Volume + or - button.

Item no.	Screen
13	Only red color picture
14	Only green color picture
15	Only blue color picture

6. Contrast Linearity Adjustments

Input Signal 16 step gray scale signal

Enter the Service mode.

If the black or white saturated picture can be seen, adjust the value of below item to be reduced it by the Volume + or - button.

Item no.	Input Mode
16	Computer
16	AV (NTSC)
16	Component (480i)

7. White Balance Adjustments

Input Signal 16 step gray scale signal

Enter the Service mode.

Adjust each value of below item to be good white balance by the Volume + or - button.

Item no. Input Mode

17 and 18 Computer

17 and 18 AV (NTSC)

17 and 18 Component (480i)
(17:Red, 18:Blue)

Note:

The white balance of each mode must be same.

(8. Color Shading Correction)

For the color shading correction, the proper computer and "Color Shading Correction" software are needed.

The software can be ordered as follows.

COLOR SHADING CORRECTION

Service Parts No. 645 056 6288

4. Signal Amplitude Adjustments

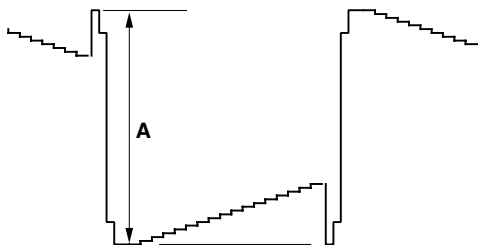
Equipment Oscilloscope
Input Signal 16 step gray scale signal

Enter the Service mode.

Adjust the amplitude of part A to be below value for each test point by the Volume + or - button.

5-1 Input mode Computer

Item no.	Test Point	Adjustment value
10	TP-R1	10.0 ± 0.1 Vp-p
11	TP-G1	10.0 ± 0.1 Vp-p
12	TP-B1	10.0 ± 0.1 Vp-p



5. Flicker Reduction

Input mode Computer
Input Signal 1dot computer signal

Enter the Service mode.

Adjust to be minimum flicker for each color by the Volume + or - button.

Item no.	Screen
13	Only red color picture
14	Only green color picture
15	Only blue color picture

6. Contrast Linearity Adjustments

Input Signal 16 step gray scale signal

Enter the Service mode.

If the black or white saturated picture can be seen, adjust the value of below item to be reduced it by the Volume + or - button.

Item no.	Input Mode
11	Computer
11	AV (NTSC)
11	Component (480i)

7. White Balance Adjustments

Input Signal 16 step gray scale signal

Enter the Service mode.

Adjust each value of below item to be good white balance by the Volume + or - button.

Item no. Input Mode

17 and 18 Computer

17 and 18 AV (NTSC)

17 and 18 Component (480i)
(17:Red, 18:Blue)

Note:

The white balance of each mode must be same.

(8. Color Shading Correction)

For the color shading correction, the proper computer and "Color Shading Correction" software are needed.

The software can be ordered as follows.

COLOR SHADING CORRECTION

Service Parts No. 645 056 6288

■ Option Resistors

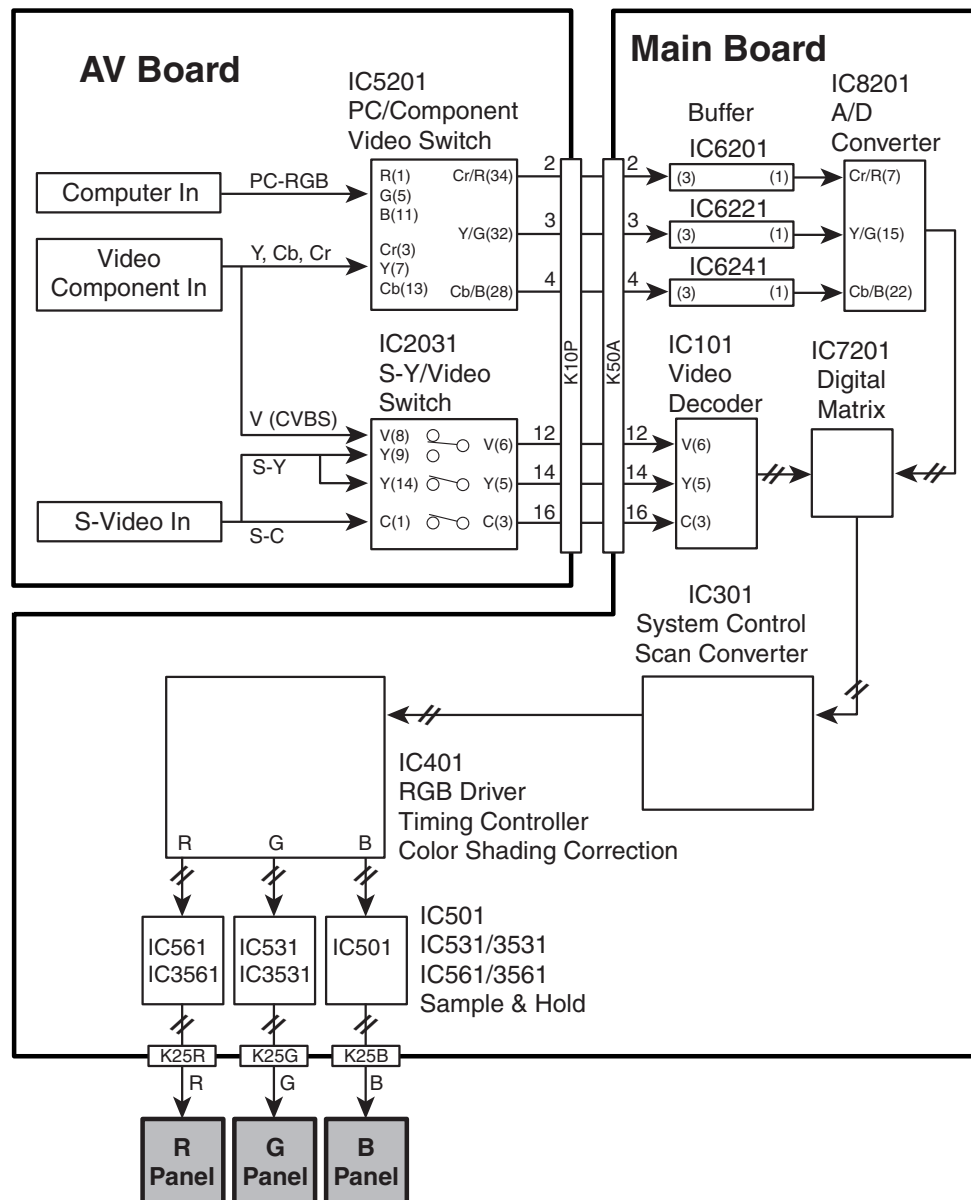
This model is decided the Option Resistors on the main board as shown below list.

Note: If these resistors are not proper, the set does not operate correctly.

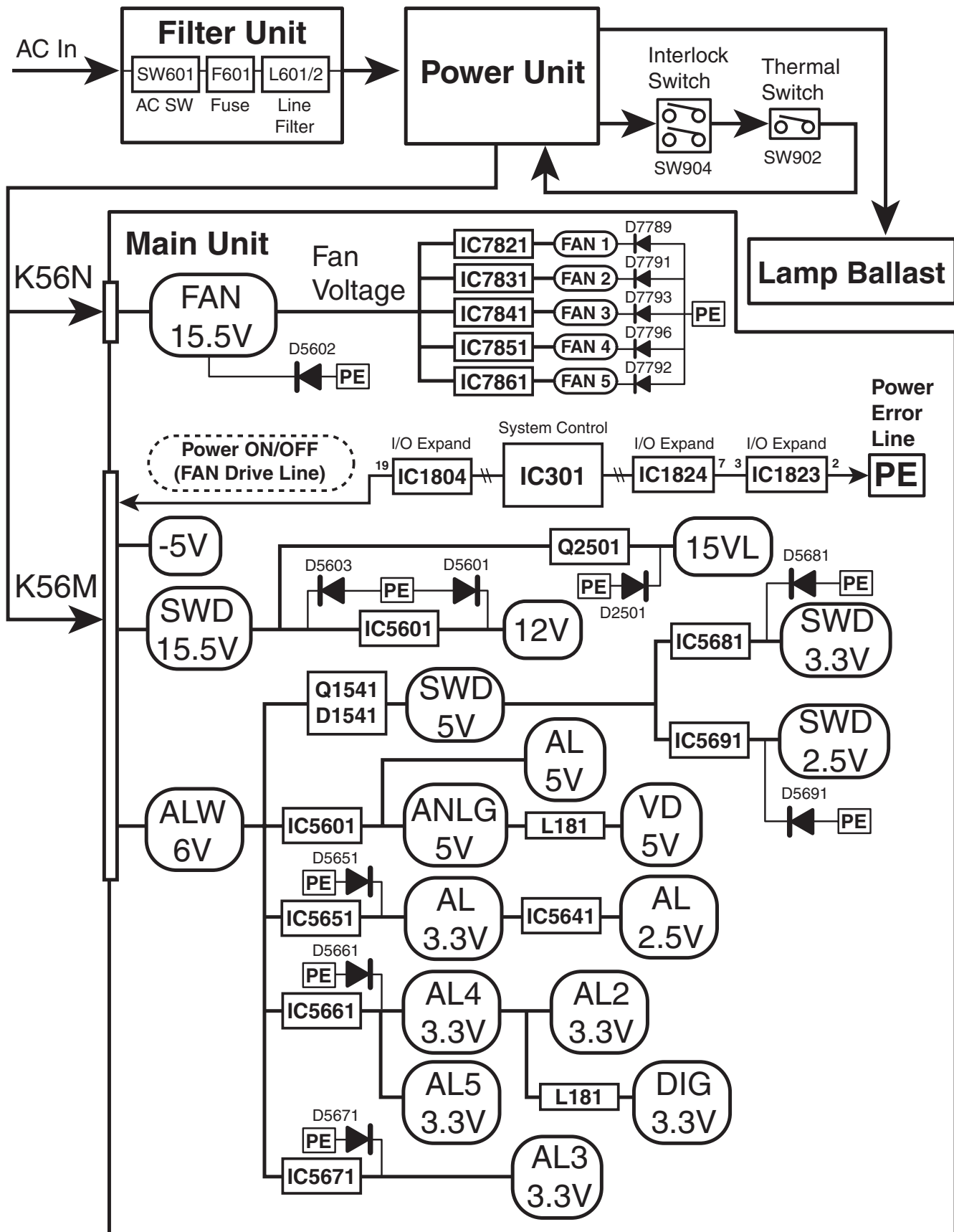
Refer to the parts list for order.

Location	Value
R1863 / R1864	0Ω (1/16GZ)
R1866 / R1867	0Ω (1/16GZ)
R1852 / R1853	None
R1854 / R1856	None

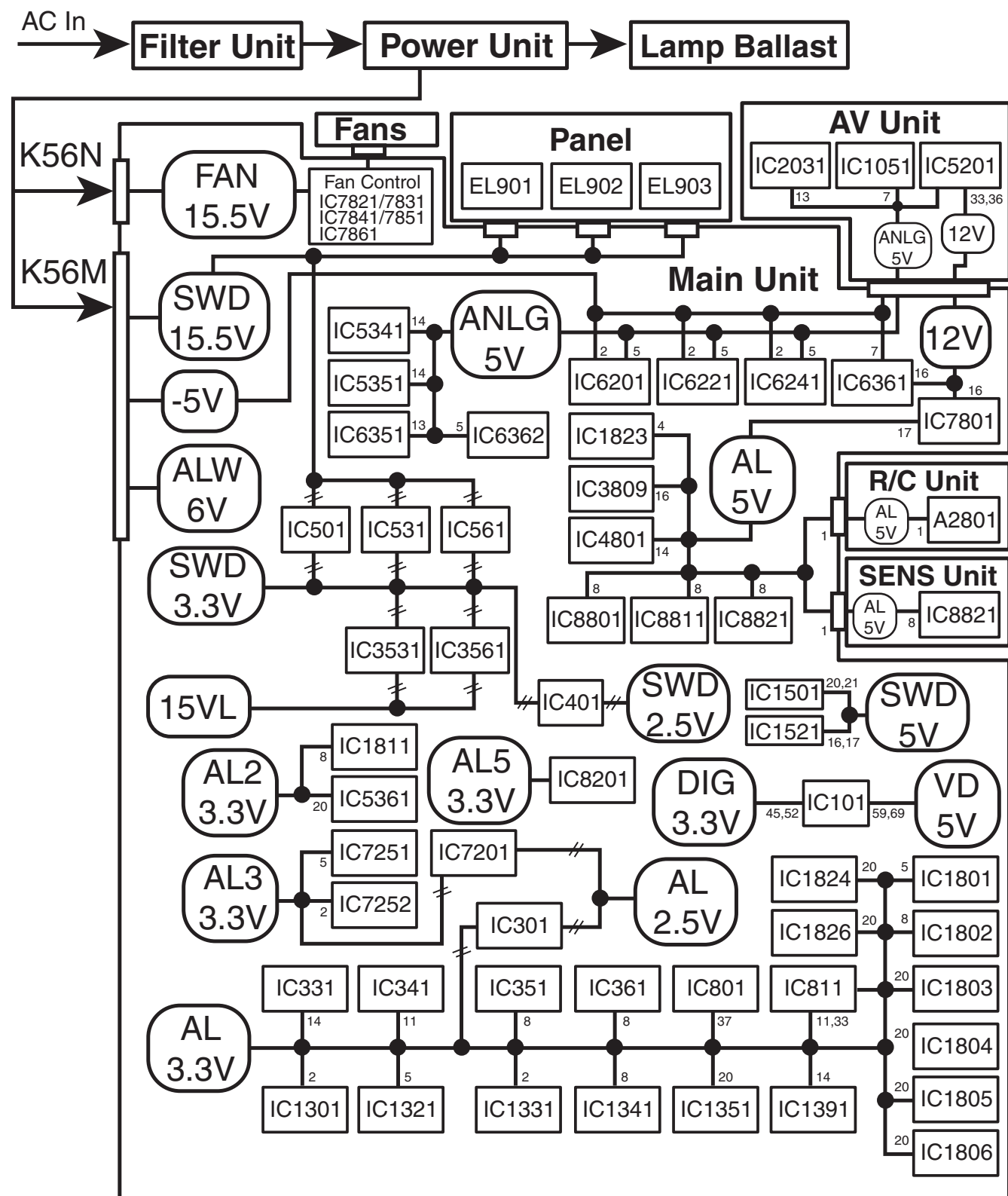
■ Circuit Block Diagram



■ Power Supply Lines



■ Power Source Lines (IC)

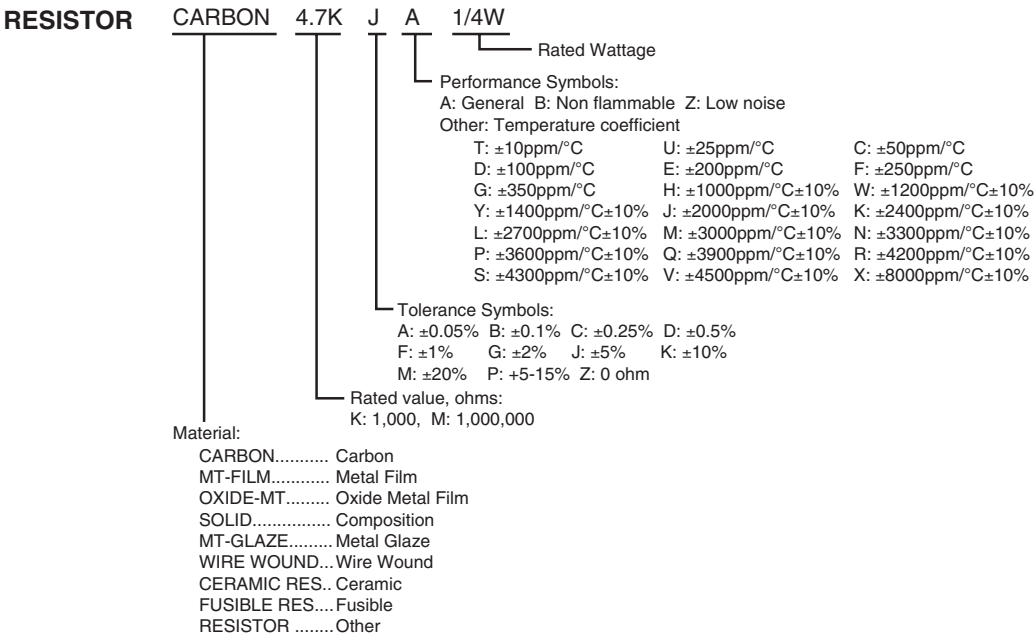
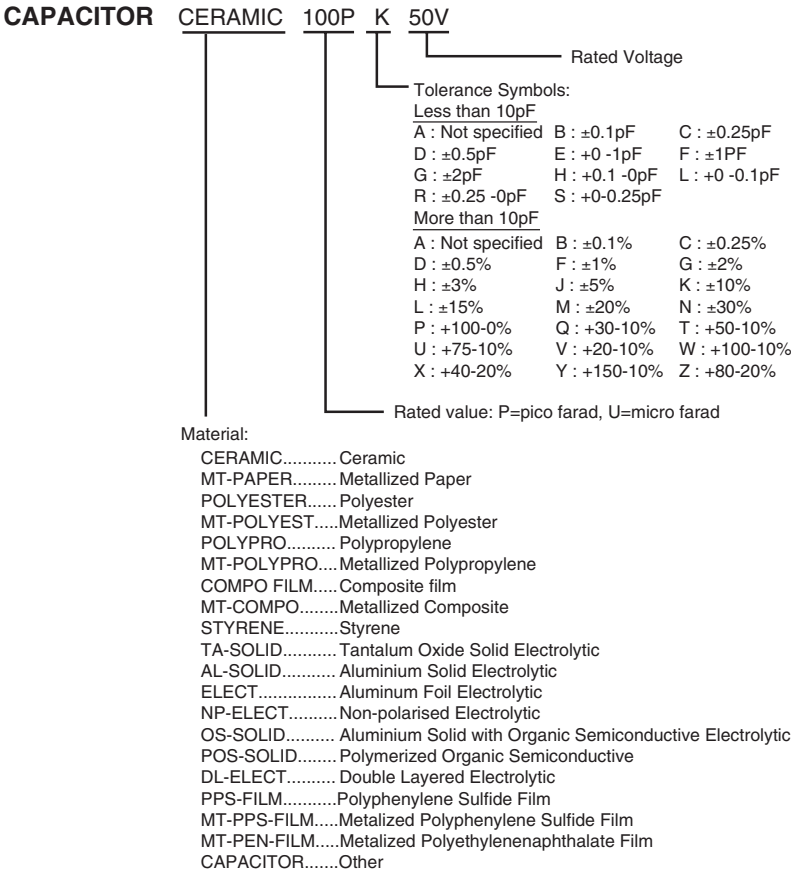


■ Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector.
Components indicated by a \triangle mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:



Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
OUT OF CIRCUIT BOARD				405 163 1602	TR 2SC2812N-L6-TB0
△ LP900	610 302 5933	COMPL,OPTICAL LAMP-M4JA		405 163 1701	TR 2SC2812N-L7-TB0
L901	645 040 2593	CORE,FERRITE	Q1027	405 014 4509	TR 2SC2412K T146 R
MISCELLANEOUS				405 014 4608	TR 2SC2412K T146 S
△ A601	645 055 6616	UNIT,POWER		405 015 8704	TR 2SC2812-L6-TB
△ A901	645 055 6623	UNIT,BALLAST		405 015 8902	TR 2SC2812-L7-TB
△ FN901	645 057 4306	MOTOR,FAN DC 3.24W		405 163 1602	TR 2SC2812N-L6-TB0
△ FN902	645 057 4306	MOTOR,FAN DC 3.24W	Q1031	405 163 1701	TR 2SC2812N-L7-TB0
△ FN903	645 056 1306	MOTOR,FAN DC 1.92W		405 014 4509	TR 2SC2412K T146 R
△ FN904	645 057 4313	MOTOR,FAN DC 3.24W		405 014 4608	TR 2SC2412K T146 S
△ FN905	645 057 2975	MOTOR,FAN DC 2.64W		405 015 8704	TR 2SC2812-L6-TB
△ SW902	645 026 5457	SWITCH,THERMAL		405 015 8902	TR 2SC2812-L7-TB
	645 048 3158	SWITCH,THERMAL		405 163 1602	TR 2SC2812N-L6-TB0
△ SW904	645 024 8986	SWITCH,PUSH 2P-2TX2	Q2001	405 163 1701	TR 2SC2812N-L7-TB0
610 302 2925 ASSY,PWB,FILTER M4JA 1AA0B10C41000				405 014 4509	TR 2SC2412K T146 R
CAPACITOR				405 014 4608	TR 2SC2412K T146 S
△ C601	404 081 4702	MT-POLYEST 0.22U M 275V		405 015 8704	TR 2SC2812-L6-TB
△ C602	404 081 4702	MT-POLYEST 0.22U M 275V		405 015 8902	TR 2SC2812-L7-TB
△ C603	404 081 4702	MT-POLYEST 0.22U M 275V		405 163 1602	TR 2SC2812N-L6-TB0
△ C604	404 081 4702	MT-POLYEST 0.22U M 275V	Q2011	405 163 1701	TR 2SC2812N-L7-TB0
△ C607	404 073 3904	CERAMIC 1000P K 250V		405 014 4509	TR 2SC2412K T146 R
RESISTOR				405 014 4608	TR 2SC2412K T146 S
R601	401 008 8607	CARBON 220K JA 1/2W		405 015 8704	TR 2SC2812-L6-TB
VARIATOR				405 015 8902	TR 2SC2812-L7-TB
△ VA601	408 018 9808	VARIATOR ENC471D-14AS		405 163 1602	TR 2SC2812N-L6-TB0
COIL				405 163 1701	TR 2SC2812N-L7-TB0
△ L601	645 041 4961	LINE FILTER	Q2081	405 014 4509	TR 2SC2412K T146 R
△ L602	645 041 4961	LINE FILTER		405 014 4608	TR 2SC2412K T146 S
MISCELLANEOUS				405 015 8704	TR 2SC2812-L6-TB
△ F601	423 022 2102	FUSE 250V 4A		405 015 8902	TR 2SC2812-L7-TB
△ SW601	645 055 6661	SWITCH,POWER 2P-2TX2		405 163 1602	TR 2SC2812N-L6-TB0
610 302 689 ASSY,PWB,AV M4JA 1AA0B10C4120A				405 163 1701	TR 2SC2812N-L7-TB0
TRANSISTOR			Q5201	405 014 4509	TR 2SC2412K T146 R
Q1007	405 014 4509	TR 2SC2412K T146 R		405 014 4608	TR 2SC2412K T146 S
	405 014 4608	TR 2SC2412K T146 S		405 015 8704	TR 2SC2812-L6-TB
	405 015 8704	TR 2SC2812-L6-TB		405 015 8902	TR 2SC2812-L7-TB
	405 015 8902	TR 2SC2812-L7-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1602	TR 2SC2812N-L6-TB0		405 163 1701	TR 2SC2812N-L7-TB0
	405 163 1701	TR 2SC2812N-L7-TB0	Q5211	405 014 4509	TR 2SC2412K T146 R
Q1017	405 014 4509	TR 2SC2412K T146 R		405 014 4608	TR 2SC2412K T146 S
	405 014 4608	TR 2SC2412K T146 S		405 015 8704	TR 2SC2812-L6-TB
	405 015 8704	TR 2SC2812-L6-TB		405 015 8902	TR 2SC2812-L7-TB
	405 015 8902	TR 2SC2812-L7-TB		405 163 1602	TR 2SC2812N-L6-TB0
			Q5221	405 163 1701	TR 2SC2812N-L7-TB0
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
Q5271	405 015 8704	TR 2SC2812-L6-TB	C2084	403 373 7704	ELECT 100U M 6.3V
	405 015 8902	TR 2SC2812-L7-TB		403 164 0204	CERAMIC 0.1U Z 25V
	405 163 1602	TR 2SC2812N-L6-TB0		403 304 3300	ELECT 47U M 16V
	405 163 1701	TR 2SC2812N-L7-TB0		403 164 0204	CERAMIC 0.1U Z 25V
	405 014 4509	TR 2SC2412K T146 R		403 283 6309	CERAMIC 1U Z 10V
	405 014 4608	TR 2SC2412K T146 S		403 164 0204	CERAMIC 0.1U Z 25V
	405 015 8704	TR 2SC2812-L6-TB		403 323 8805	CERAMIC 2.2U Z 16V
	405 015 8902	TR 2SC2812-L7-TB		403 153 9102	CERAMIC 5P C 50V
	405 163 1602	TR 2SC2812N-L6-TB0		403 323 8805	CERAMIC 2.2U Z 16V
	405 163 1701	TR 2SC2812N-L7-TB0		403 157 1904	CERAMIC 10P D 50V
	405 014 4509	TR 2SC2412K T146 R		403 323 8805	CERAMIC 2.2U Z 16V
	405 014 4608	TR 2SC2412K T146 S		403 153 9102	CERAMIC 5P C 50V
	405 015 8704	TR 2SC2812-L6-TB		403 323 8805	CERAMIC 2.2U Z 16V
	405 015 8902	TR 2SC2812-L7-TB		403 323 8805	CERAMIC 2.2U Z 16V
Q5272	405 163 1602	TR 2SC2812N-L6-TB0	C5251	403 323 8805	CERAMIC 2.2U Z 16V
	405 163 1701	TR 2SC2812N-L7-TB0		403 314 5905	CERAMIC 0.47U K 16V
	405 014 4509	TR 2SC2412K T146 R		403 164 0204	CERAMIC 0.1U Z 25V
	405 014 4608	TR 2SC2412K T146 S		403 149 9208	CERAMIC 0.01U Z 50V
INTEGRATED CIRCUIT			C5271	403 283 6309	CERAMIC 1U Z 10V
IC1051	409 526 5306	IC BD7600FV		403 304 2105	ELECT 47U M 6.3V
IC2031	409 252 3102	IC NJM2284M-TE2		403 283 6309	CERAMIC 1U Z 10V
IC5201	409 530 7204	IC AN5870SB		403 378 6405	CERAMIC 10U Z 16V
CAPACITOR			C5277	403 283 6309	CERAMIC 1U Z 10V
C1002	403 164 0204	CERAMIC 0.1U Z 25V		403 283 6309	CERAMIC 1U Z 10V
C1003	403 164 0204	CERAMIC 0.1U Z 25V		C7274	403 283 6309 CERAMIC 1U Z 10V
C1051	403 304 2105	ELECT 47U M 6.3V	RESISTOR		
C1052	403 162 4709	ELECT 10U M 16V	R1001	401 260 4102	MT-GLAZE 75 JA 1/3W
	403 335 0309	ELECT 10U M 16V	R1006	401 105 5103	MT-GLAZE 47 JA 1/16W
C1053	403 378 3107	CERAMIC 47U Z 6.3V	R1007	401 105 6506	MT-GLAZE 680 JA 1/16W
C1055	403 164 0204	CERAMIC 0.1U Z 25V	R1011	401 260 4102	MT-GLAZE 75 JA 1/3W
C1061	403 162 4006	ELECT 22U M 6.3V	R1016	401 105 5103	MT-GLAZE 47 JA 1/16W
C1062	403 314 5905	CERAMIC 0.47U K 16V	R1017	401 105 6506	MT-GLAZE 680 JA 1/16W
C2003	403 304 2105	ELECT 47U M 6.3V	R1021	401 260 4102	MT-GLAZE 75 JA 1/3W
C2013	403 283 6309	CERAMIC 1U Z 10V	R1026	401 105 5103	MT-GLAZE 47 JA 1/16W
C2023	403 283 6309	CERAMIC 1U Z 10V	R1027	401 105 6506	MT-GLAZE 680 JA 1/16W
C2032	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1031	401 105 0405	MT-GLAZE 100 JA 1/16W
C2033	403 162 4709	ELECT 10U M 16V	R1032	401 105 0702	MT-GLAZE 100K JA 1/16W
	403 335 0309	ELECT 10U M 16V	R1041	401 105 0405	MT-GLAZE 100 JA 1/16W
C2041	403 298 9609	CERAMIC 0.1U K 16V	R1042	401 105 5301	MT-GLAZE 4.7K JA 1/16W
C2052	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1043	401 105 0504	MT-GLAZE 1K JA 1/16W
C2053	403 162 4709	ELECT 10U M 16V	R1051	401 105 8104	MT-GLAZE 56K JA 1/16W
	403 335 0309	ELECT 10U M 16V	R1054	401 037 5103	MT-GLAZE 10 JA 1/10W
C2063	403 304 2105	ELECT 47U M 6.3V	R1061	401 105 8104	MT-GLAZE 56K JA 1/16W
C2067	403 283 6309	CERAMIC 1U Z 10V	R2001	401 260 4102	MT-GLAZE 75 JA 1/3W
C2068	403 283 6309	CERAMIC 1U Z 10V	R2003	401 105 4700	MT-GLAZE 39K JA 1/16W
C2071	403 162 4709	ELECT 10U M 16V	R2004	401 105 4700	MT-GLAZE 39K JA 1/16W
	403 335 0309	ELECT 10U M 16V	R2006	401 105 1402	MT-GLAZE 150 JA 1/16W
C2074	403 164 0204	CERAMIC 0.1U Z 25V	R2007	401 105 0504	MT-GLAZE 1K JA 1/16W
C2081	403 304 1801	ELECT 100U M 6.3V	R2011	401 260 4102	MT-GLAZE 75 JA 1/3W
	403 373 7704	ELECT 100U M 6.3V	R2013	401 105 2904	MT-GLAZE 22K JA 1/16W
C2082	403 164 0204	CERAMIC 0.1U Z 25V	R2014	401 105 4700	MT-GLAZE 39K JA 1/16W
C2083	403 304 1801	ELECT 100U M 6.3V	R2016	401 105 1402	MT-GLAZE 150 JA 1/16W

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
R2017	401 105 0504	MT-GLAZE 1K JA 1/16W	R5277	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R2021	401 260 4102	MT-GLAZE 75 JA 1/3W	R5278	401 105 0306	MT-GLAZE 10 JA 1/16W
R2023	401 105 2904	MT-GLAZE 22K JA 1/16W	R5279	401 105 0306	MT-GLAZE 10 JA 1/16W
R2024	401 105 4700	MT-GLAZE 39K JA 1/16W	COIL	L1001	645 024 0669 FILTER,EMI 20PF
R2026	401 105 1402	MT-GLAZE 150 JA 1/16W		L1002	401 037 5004 MT-GLAZE 0.000 ZA 1/10W
R2027	401 105 0504	MT-GLAZE 1K JA 1/16W		L1003	401 037 5004 MT-GLAZE 0.000 ZA 1/10W
R2031	401 260 4102	MT-GLAZE 75 JA 1/3W		L1011	645 024 0669 FILTER,EMI 20PF
R2041	401 105 0405	MT-GLAZE 100 JA 1/16W		L1021	645 024 0669 FILTER,EMI 20PF
R2051	401 260 4102	MT-GLAZE 75 JA 1/3W		L1031	645 044 8843 FILTER,EMI 200MHZ
R2061	401 260 4102	MT-GLAZE 75 JA 1/3W		L1041	645 044 8843 FILTER,EMI 200MHZ
R2071	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		L2001	401 035 4108 MT-GLAZE 0.000 ZA 1/8W
R2072	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		L2002	645 044 8836 FILTER,EMI 100MHZ
R2073	401 105 0306	MT-GLAZE 10 JA 1/16W		L2011	401 035 4108 MT-GLAZE 0.000 ZA 1/8W
R2074	401 105 0306	MT-GLAZE 10 JA 1/16W		L2012	645 044 8836 FILTER,EMI 100MHZ
R2076	401 105 0306	MT-GLAZE 10 JA 1/16W		L2021	401 035 4108 MT-GLAZE 0.000 ZA 1/8W
R2077	401 105 0306	MT-GLAZE 10 JA 1/16W		L2022	645 044 8836 FILTER,EMI 100MHZ
R2083	401 105 4700	MT-GLAZE 39K JA 1/16W		L2031	401 035 4108 MT-GLAZE 0.000 ZA 1/8W
R2084	401 105 4700	MT-GLAZE 39K JA 1/16W		L2032	645 044 8836 FILTER,EMI 100MHZ
R2086	401 105 1402	MT-GLAZE 150 JA 1/16W		L2041	645 045 6183 FILTER,EMI 25MHZ
R2087	401 105 0504	MT-GLAZE 1K JA 1/16W		L2051	401 035 4108 MT-GLAZE 0.000 ZA 1/8W
R3001	401 105 0306	MT-GLAZE 10 JA 1/16W		L2052	645 044 8836 FILTER,EMI 100MHZ
R3002	401 105 0306	MT-GLAZE 10 JA 1/16W		L2061	401 035 4108 MT-GLAZE 0.000 ZA 1/8W
R3021	401 105 0306	MT-GLAZE 10 JA 1/16W		L2062	645 044 8836 FILTER,EMI 100MHZ
R5201	401 286 3400	MT-GLAZE 10 FA 1/16W		L2071	401 035 4108 MT-GLAZE 0.000 ZA 1/8W
R5203	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		L3001	645 045 6183 FILTER,EMI 25MHZ
R5204	401 105 0504	MT-GLAZE 1K JA 1/16W		L3011	645 045 6183 FILTER,EMI 25MHZ
R5206	401 105 0504	MT-GLAZE 1K JA 1/16W		L5271	401 035 9004 MT-GLAZE 18 JA 1/8W
R5207	401 105 0504	MT-GLAZE 1K JA 1/16W		L5272	401 035 4108 MT-GLAZE 0.000 ZA 1/8W
R5208	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	DIODE	D1001	645 045 7449 SURGE-ABSORBER
R5211	401 286 3400	MT-GLAZE 10 FA 1/16W		D1011	645 045 7449 SURGE-ABSORBER
R5213	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		D1021	645 045 7449 SURGE-ABSORBER
R5214	401 105 0504	MT-GLAZE 1K JA 1/16W		D1031	407 221 7106 ZENER DIODE UDZS-TE-1712B
R5216	401 105 0504	MT-GLAZE 1K JA 1/16W		D1041	407 221 7106 ZENER DIODE UDZS-TE-1712B
R5217	401 105 0504	MT-GLAZE 1K JA 1/16W		D1051	407 149 0807 DIODE 1SS355-TE-17
R5218	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		D1052	407 149 0807 DIODE 1SS355-TE-17
R5221	401 286 3400	MT-GLAZE 10 FA 1/16W		D1061	407 149 0807 DIODE 1SS355-TE-17
R5223	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		D1062	407 149 0807 DIODE 1SS355-TE-17
R5224	401 105 0504	MT-GLAZE 1K JA 1/16W		D2001	645 045 7449 SURGE-ABSORBER
R5226	401 105 0504	MT-GLAZE 1K JA 1/16W		D2011	645 045 7449 SURGE-ABSORBER
R5227	401 105 0504	MT-GLAZE 1K JA 1/16W		D2021	645 045 7449 SURGE-ABSORBER
R5228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		D2031	645 045 7449 SURGE-ABSORBER
R5231	401 286 3400	MT-GLAZE 10 FA 1/16W		D2041	407 221 7106 ZENER DIODE UDZS-TE-1712B
R5241	401 286 3400	MT-GLAZE 10 FA 1/16W		D2051	645 045 7449 SURGE-ABSORBER
R5251	401 286 3400	MT-GLAZE 10 FA 1/16W		D2061	645 045 7449 SURGE-ABSORBER
R5261	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		D3001	645 045 7449 SURGE-ABSORBER
R5262	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		D3011	645 045 7449 SURGE-ABSORBER
R5263	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		D3021	407 209 1201 ZD UDZS-TE-176.2B
R5264	401 105 0504	MT-GLAZE 1K JA 1/16W			
R5271	401 105 0504	MT-GLAZE 1K JA 1/16W			
R5273	401 105 0504	MT-GLAZE 1K JA 1/16W			
R5274	401 113 6802	MT-GLAZE 11K JA 1/16W			
R5276	401 105 2904	MT-GLAZE 22K JA 1/16W			

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
MISCELLANEOUS			R2875	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
K10A	645 009 8093	SOCKET,D-SUB 15P	R2876	401 105 5301	MT-GLAZE 4.7K JA 1/16W
K20A	645 055 5664	JACK,RCA-3	R2877	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
K20B	610 010 8295	SOCKET,DIN 4P	R2878	401 105 5301	MT-GLAZE 4.7K JA 1/16W
K20C	610 010 3689	JACK,RCA	DIODE		
K30A	645 048 6739	SOCKET,DIN 8P	D2861	407 209 7500	LED SML-210YT T86 L
SW30B	645 042 8104	SWITCH,PUSH 1P-1TX1	D2863	407 203 7803	LED SML-210LT T86 M
610 302 6909 ASSY,PWB,LED M4JA 1AA0B10C4120B			D2864	407 210 0200	LED SML-210PT T86 K
TRANSISTOR			D2865	407 203 7803	LED SML-210LT T86 M
Q2851	405 014 4509	TR 2SC2412K T146 R	D6804	407 149 0807	DIODE 1SS355-TE-17
	405 014 4608	TR 2SC2412K T146 S	MISCELLANEOUS		
	405 015 8704	TR 2SC2812-L6-TB	SW6801	645 026 2791	SWITCH,PUSH 1P-1TX1
	405 015 8902	TR 2SC2812-L7-TB	610 302 6916 ASSY,PWB,DOOR SW M4JA 1AA0B10C4120C		
	405 163 1602	TR 2SC2812N-L6-TB0	RESISTOR		
	405 163 1701	TR 2SC2812N-L7-TB0	R8852	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
Q2852	405 014 4509	TR 2SC2412K T146 R	MISCELLANEOUS		
	405 014 4608	TR 2SC2412K T146 S	SW8801	645 056 0750	SWITCH,MICRO 1P-2T
	405 015 8704	TR 2SC2812-L6-TB	610 304 0233 ASSY,PWB,MAIN M4JA 1AA0B10C4230A		
	405 015 8902	TR 2SC2812-L7-TB	TRANSISTOR		
	405 163 1602	TR 2SC2812N-L6-TB0	Q1381	405 134 5905	TR 2SA1037AK-T146-R
	405 163 1701	TR 2SC2812N-L7-TB0		405 147 2205	TR 2SA1037AK-S-T146
Q2853	405 014 4509	TR 2SC2412K T146 R		405 002 0308	TR 2SA1037K T146 R
	405 014 4608	TR 2SC2412K T146 S		405 002 0407	TR 2SA1037K T146 S
	405 015 8704	TR 2SC2812-L6-TB		405 002 6706	TR 2SA1179-M6-TB
	405 015 8902	TR 2SC2812-L7-TB		405 002 6904	TR 2SA1179-M7-TB
	405 163 1602	TR 2SC2812N-L6-TB0		405 163 1503	TR 2SA1179N-M6-TB
	405 163 1701	TR 2SC2812N-L7-TB0		405 163 2708	TR 2SA1179N-M7-TB
Q2854	405 134 5905	TR 2SA1037AK-T146-R	Q151	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146		405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R		405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S		405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB		405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB		405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB		405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 163 2708	TR 2SA1179N-M7-TB
CAPACITOR			Q152	405 014 4509	TR 2SC2412K T146 R
C2851	403 164 0204	CERAMIC 0.1U Z 25V		405 014 4608	TR 2SC2412K T146 S
C2852	403 164 0204	CERAMIC 0.1U Z 25V		405 015 8704	TR 2SC2812-L6-TB
RESISTOR				405 015 8902	TR 2SC2812-L7-TB
R2850	401 105 6506	MT-GLAZE 680 JA 1/16W		405 163 1602	TR 2SC2812N-L6-TB0
R2851	401 105 4502	MT-GLAZE 390 JA 1/16W		405 163 1701	TR 2SC2812N-L7-TB0
R2852	401 105 4502	MT-GLAZE 390 JA 1/16W	Q1541	405 148 2907	TR 2SC5103 TL P
R2853	401 105 5301	MT-GLAZE 4.7K JA 1/16W		405 148 3003	TR 2SC5103 TL Q
R2855	401 105 0504	MT-GLAZE 1K JA 1/16W	Q1542	405 014 4509	TR 2SC2412K T146 R
R2857	401 105 0504	MT-GLAZE 1K JA 1/16W		405 014 4608	TR 2SC2412K T146 S
R2859	401 105 0504	MT-GLAZE 1K JA 1/16W		405 015 8704	TR 2SC2812-L6-TB
R2860	401 105 0504	MT-GLAZE 1K JA 1/16W		405 015 8902	TR 2SC2812-L7-TB
R2861	401 105 4601	MT-GLAZE 3.9K JA 1/16W		405 163 1602	TR 2SC2812N-L6-TB0
R2862	401 105 5301	MT-GLAZE 4.7K JA 1/16W			

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
Q1543	405 163 1701	TR 2SC2812N-L7-TB0	Q4531	405 014 4608	TR 2SC2412K T146 S
	405 014 4509	TR 2SC2412K T146 R		405 015 8704	TR 2SC2812-L6-TB
	405 014 4608	TR 2SC2412K T146 S		405 015 8902	TR 2SC2812-L7-TB
	405 015 8704	TR 2SC2812-L6-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 015 8902	TR 2SC2812-L7-TB		405 163 1701	TR 2SC2812N-L7-TB0
Q161	405 163 1602	TR 2SC2812N-L6-TB0	Q4532	405 014 4509	TR 2SC2412K T146 R
	405 163 1701	TR 2SC2812N-L7-TB0		405 014 4608	TR 2SC2412K T146 S
	405 134 5905	TR 2SA1037AK-T146-R		405 015 8704	TR 2SC2812-L6-TB
	405 147 2205	TR 2SA1037AK-S-T146		405 015 8902	TR 2SC2812-L7-TB
	405 002 0308	TR 2SA1037K T146 R		405 163 1602	TR 2SC2812N-L6-TB0
Q162	405 002 0407	TR 2SA1037K T146 S	Q4561	405 163 1701	TR 2SC2812N-L7-TB0
	405 002 6706	TR 2SA1179-M6-TB		405 014 4509	TR 2SC2412K T146 R
	405 002 6904	TR 2SA1179-M7-TB		405 014 4608	TR 2SC2412K T146 S
	405 163 1503	TR 2SA1179N-M6-TB		405 015 8704	TR 2SC2812-L6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 015 8902	TR 2SC2812-L7-TB
Q171	405 014 4509	TR 2SC2412K T146 R	Q4801	405 163 1602	TR 2SC2812N-L6-TB0
	405 014 4608	TR 2SC2412K T146 S		405 163 1701	TR 2SC2812N-L7-TB0
	405 015 8704	TR 2SC2812-L6-TB		405 014 4509	TR 2SC2412K T146 R
	405 015 8902	TR 2SC2812-L7-TB		405 014 4608	TR 2SC2412K T146 S
	405 163 1602	TR 2SC2812N-L6-TB0		405 015 8704	TR 2SC2812-L6-TB
Q172	405 163 1701	TR 2SC2812N-L7-TB0	Q5601	405 015 8902	TR 2SC2812-L7-TB
	405 134 5905	TR 2SA1037AK-T146-R		405 163 1602	TR 2SC2812N-L6-TB0
	405 147 2205	TR 2SA1037AK-S-T146		405 163 1701	TR 2SC2812N-L7-TB0
	405 002 0308	TR 2SA1037K T146 R		405 047 9007	TR 2SB1204-S-TL
	405 002 0407	TR 2SA1037K T146 S		405 047 9106	TR 2SB1204-T-TL
Q172	405 002 6706	TR 2SA1179-M6-TB	Q5602	405 014 4509	TR 2SC2412K T146 R
	405 002 6904	TR 2SA1179-M7-TB		405 014 4608	TR 2SC2412K T146 S
	405 163 1503	TR 2SA1179N-M6-TB		405 015 8704	TR 2SC2812-L6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 015 8902	TR 2SC2812-L7-TB
	405 014 4509	TR 2SC2412K T146 R		405 163 1602	TR 2SC2812N-L6-TB0
Q2501	405 014 4608	TR 2SC2412K T146 S	Q6201	405 163 1701	TR 2SC2812N-L7-TB0
	405 015 8704	TR 2SC2812-L6-TB		405 079 1505	TR 2SC4269-4-TB
	405 015 8902	TR 2SC2812-L7-TB		405 079 1505	TR 2SC4269-4-TB
	405 163 1602	TR 2SC2812N-L6-TB0		405 079 1505	TR 2SC4269-4-TB
	405 163 1701	TR 2SC2812N-L7-TB0		405 014 4509	TR 2SC2412K T146 R
Q2502	405 002 8304	TR 2SA1203-Y-TE12L	Q6321	405 014 4608	TR 2SC2412K T146 S
	405 014 4509	TR 2SC2412K T146 R		405 015 8704	TR 2SC2812-L6-TB
	405 014 4608	TR 2SC2412K T146 S		405 015 8902	TR 2SC2812-L7-TB
	405 015 8704	TR 2SC2812-L6-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 015 8902	TR 2SC2812-L7-TB		405 163 1701	TR 2SC2812N-L7-TB0
Q301	405 163 1602	TR 2SC2812N-L6-TB0	Q6322	405 014 4509	TR 2SC2412K T146 R
	405 163 1701	TR 2SC2812N-L7-TB0		405 014 4608	TR 2SC2412K T146 S
	405 014 4509	TR 2SC2412K T146 R		405 015 8704	TR 2SC2812-L6-TB
	405 014 4608	TR 2SC2412K T146 S		405 015 8902	TR 2SC2812-L7-TB
	405 015 8704	TR 2SC2812-L6-TB		405 163 1602	TR 2SC2812N-L6-TB0
Q351	405 015 8902	TR 2SC2812-L7-TB	Q6322	405 163 1701	TR 2SC2812N-L7-TB0
	405 163 1602	TR 2SC2812N-L6-TB0		405 014 4509	TR 2SC2412K T146 R
	405 163 1701	TR 2SC2812N-L7-TB0		405 014 4608	TR 2SC2412K T146 S
	405 045 8705	TR 2SK536-TB		405 015 8704	TR 2SC2812-L6-TB
	405 045 8705	TR 2SK536-TB		405 015 8902	TR 2SC2812-L7-TB
Q361	405 045 8705	TR 2SK536-TB		405 163 1602	TR 2SC2812N-L6-TB0
Q362	405 045 8705	TR 2SK536-TB		405 163 1701	TR 2SC2812N-L7-TB0
Q4501	405 014 4509	TR 2SC2412K T146 R			

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
Q6323	405 014 4509	TR 2SC2412K T146 R	Q6371	405 015 8704	TR 2SC2812-L6-TB
	405 014 4608	TR 2SC2412K T146 S		405 015 8902	TR 2SC2812-L7-TB
	405 015 8704	TR 2SC2812-L6-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 015 8902	TR 2SC2812-L7-TB		405 163 1701	TR 2SC2812N-L7-TB0
	405 163 1602	TR 2SC2812N-L6-TB0		405 014 4509	TR 2SC2412K T146 R
	405 163 1701	TR 2SC2812N-L7-TB0		405 014 4608	TR 2SC2412K T146 S
Q6331	405 014 4509	TR 2SC2412K T146 R	Q6372	405 015 8704	TR 2SC2812-L6-TB
	405 014 4608	TR 2SC2412K T146 S		405 015 8902	TR 2SC2812-L7-TB
	405 015 8704	TR 2SC2812-L6-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 015 8902	TR 2SC2812-L7-TB		405 163 1701	TR 2SC2812N-L7-TB0
	405 163 1602	TR 2SC2812N-L6-TB0		405 014 4509	TR 2SC2412K T146 R
	405 163 1701	TR 2SC2812N-L7-TB0		405 014 4608	TR 2SC2412K T146 S
Q6332	405 134 5905	TR 2SA1037AK-T146-R	Q7821	405 015 8704	TR 2SC2812-L6-TB
	405 147 2205	TR 2SA1037AK-S-T146		405 015 8902	TR 2SC2812-L7-TB
	405 002 0308	TR 2SA1037K T146 R		405 163 1602	TR 2SC2812N-L6-TB0
	405 002 0407	TR 2SA1037K T146 S		405 163 1701	TR 2SC2812N-L7-TB0
	405 002 6706	TR 2SA1179-M6-TB		405 014 4509	TR 2SC2412K T146 R
	405 002 6904	TR 2SA1179-M7-TB		405 014 4608	TR 2SC2412K T146 S
Q6333	405 163 1503	TR 2SA1179N-M6-TB	Q7831	405 015 8704	TR 2SC2812-L6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 015 8902	TR 2SC2812-L7-TB
	405 134 5905	TR 2SA1037AK-T146-R		405 163 1602	TR 2SC2812N-L6-TB0
	405 147 2205	TR 2SA1037AK-S-T146		405 163 1701	TR 2SC2812N-L7-TB0
	405 002 0308	TR 2SA1037K T146 R		405 014 4509	TR 2SC2412K T146 R
	405 002 0407	TR 2SA1037K T146 S		405 014 4608	TR 2SC2412K T146 S
Q6341	405 002 6706	TR 2SA1179-M6-TB	Q7841	405 015 8704	TR 2SC2812-L6-TB
	405 002 6904	TR 2SA1179-M7-TB		405 015 8902	TR 2SC2812-L7-TB
	405 163 1503	TR 2SA1179N-M6-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 163 2708	TR 2SA1179N-M7-TB		405 163 1701	TR 2SC2812N-L7-TB0
	405 134 5905	TR 2SA1037AK-T146-R		405 014 4509	TR 2SC2412K T146 R
	405 147 2205	TR 2SA1037AK-S-T146		405 014 4608	TR 2SC2412K T146 S
Q6342	405 002 0308	TR 2SA1037K T146 R	Q7851	405 015 8704	TR 2SC2812-L6-TB
	405 002 0407	TR 2SA1037K T146 S		405 015 8902	TR 2SC2812-L7-TB
	405 002 6706	TR 2SA1179-M6-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 002 6904	TR 2SA1179-M7-TB		405 163 1701	TR 2SC2812N-L7-TB0
	405 163 1503	TR 2SA1179N-M6-TB		405 014 4509	TR 2SC2412K T146 R
	405 163 2708	TR 2SA1179N-M7-TB		405 014 4608	TR 2SC2412K T146 S
Q6361	405 134 5905	TR 2SA1037AK-T146-R	Q7891	405 015 8704	TR 2SC2812-L6-TB
	405 147 2205	TR 2SA1037AK-S-T146		405 015 8902	TR 2SC2812-L7-TB
	405 002 0308	TR 2SA1037K T146 R		405 163 1602	TR 2SC2812N-L6-TB0
	405 002 0407	TR 2SA1037K T146 S		405 163 1701	TR 2SC2812N-L7-TB0
	405 002 6706	TR 2SA1179-M6-TB		405 014 4509	TR 2SC2412K T146 R
	405 002 6904	TR 2SA1179-M7-TB		405 014 4608	TR 2SC2412K T146 S
Q6362	405 163 1503	TR 2SA1179N-M6-TB	Q8861	405 015 8704	TR 2SC2812-L6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 015 8902	TR 2SC2812-L7-TB
	405 014 4509	TR 2SC2412K T146 R		405 163 1602	TR 2SC2812N-L6-TB0
	405 014 4608	TR 2SC2412K T146 S		405 163 1701	TR 2SC2812N-L7-TB0
	405 015 8704	TR 2SC2812-L6-TB		405 014 4509	TR 2SC2412K T146 R
	405 015 8902	TR 2SC2812-L7-TB		405 014 4608	TR 2SC2412K T146 S

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
Q8862	405 014 4509	TR 2SC2412K T146 R	IC5641	409 416 6406	IC BA033FP-E2
	405 014 4608	TR 2SC2412K T146 S	IC5642	409 534 1703	IC SI-3025LSA-TL
	405 015 8704	TR 2SC2812-L6-TB	IC5651	409 416 6406	IC BA033FP-E2
	405 015 8902	TR 2SC2812-L7-TB	IC5661	409 416 6406	IC BA033FP-E2
	405 163 1602	TR 2SC2812N-L6-TB0	IC5662	409 416 6406	IC BA033FP-E2
	405 163 1701	TR 2SC2812N-L7-TB0	IC5671	409 416 6406	IC BA033FP-E2
INTEGRATED CIRCUIT			IC5681	409 503 7903	IC BA033SFP
IC101	410 401 4604	IC VPC3230D-QA-B3	IC5691	409 499 1701	IC PQ025EZ01ZP
IC1301	409 501 9107	IC ICS512MT		409 461 7700	IC PQ2TZ15
IC1321	409 462 2407	IC TC7SZ08FU- (TE85L)	IC6201	409 461 7304	IC AD8057ART
IC1331	409 501 9107	IC ICS512MT	IC6221	409 461 7304	IC AD8057ART
IC1341	409 350 2908	IC TC7W126FU- (TE12L)	IC6241	409 461 7304	IC AD8057ART
IC1351	410 325 4605	IC TC74LCX244FT	IC6351	409 441 8406	IC LA7217M-T-TRM
IC1391	410 386 1902	IC TC74VCX125FT	IC6361	409 434 8109	IC TC4053BFT- (EL)
IC1501	409 506 0406	IC M62392FP	IC7201	409 528 6608	IC LC749400W
IC1521	409 458 3401	IC M62393FP	IC7251	409 462 2308	IC TC7SZ04FU-TE852
IC1801	409 330 2508	IC TC7SH04FU- (TE85L)	IC7252	409 433 4201	IC MN13821-H-TX
	410 356 7606	IC SN74AHC1G04HDCKR	IC7801	409 428 9600	IC M62399FP
IC1802	410 381 4403	IC TC7W32FU (TE12L)	IC7821	409 461 7809	IC PQ20WZ11
IC1803	410 346 8804	IC TC74LCX574FT	IC7831	409 461 7809	IC PQ20WZ11
IC1804	410 346 8804	IC TC74LCX574FT	IC7841	409 461 7809	IC PQ20WZ11
IC1805	410 346 8804	IC TC74LCX574FT	IC7851	409 461 7809	IC PQ20WZ11
IC1806	410 346 8804	IC TC74LCX574FT	IC7861	409 461 7809	IC PQ20WZ11
IC1811	409 400 7105	IC TC7W53FU- (TE12L)	IC801	410 469 4608	IC MBM29LV800TA90C076A
IC1823	409 347 5400	IC M51204FP-600C	IC801A	410 354 3808	IC MBM29LV800TA-90PFTN
IC1824	410 362 6501	IC TC74LCX541FT	IC811	410 397 0406	IC IC61LV6416-15T
IC1826	410 362 6501	IC TC74LCX541FT	IC8201	410 388 7001	IC AD9884AKS-100
IC301	409 528 9005	IC PW164B-10TK	IC8801	409 481 8602	IC LM76CHMX-5
IC331	410 337 0503	IC TC74LCX14FT	IC8811	409 481 8602	IC LM76CHMX-5
	410 337 0602	IC HD74LVC14T	CAPACITOR		
IC341	409 480 1307	IC PST573IM	C102	403 281 5205	CERAMIC 0.22U Z 16V
IC351	409 350 2908	IC TC7W126FU- (TE12L)	C103	403 157 4202	CERAMIC 220P J 50V
IC3531	409 502 3203	IC L3E01031F0A	C104	403 281 5205	CERAMIC 0.22U Z 16V
IC3561	409 502 3203	IC L3E01031F0A	C107	403 281 5205	CERAMIC 0.22U Z 16V
IC361	409 533 6006	IC 24LC32AT-I/SN	C108	403 164 0204	CERAMIC 0.1U Z 25V
IC3801	409 380 6303	IC HIN232CB	C109	403 164 0204	CERAMIC 0.1U Z 25V
	409 273 3501	IC SP232ACT	C111	403 164 0204	CERAMIC 0.1U Z 25V
IC401	409 502 3401	IC QL3E07050 K0A	C112	403 164 0204	CERAMIC 0.1U Z 25V
IC4801	409 347 6605	IC TC74ACT00F-EL	C113	403 164 0204	CERAMIC 0.1U Z 25V
IC501	409 502 3302	IC L3E06070D0A	C114	403 164 0204	CERAMIC 0.1U Z 25V
IC531	409 502 3302	IC L3E06070D0A	C116	403 378 3107	CERAMIC 47U Z 6.3V
IC5341	409 484 2003	IC BA7078AF-E2	C117	403 164 0204	CERAMIC 0.1U Z 25V
IC5351	409 431 6009	IC MC74VHC14DT	C118	403 281 5205	CERAMIC 0.22U Z 16V
	410 356 8009	IC SN74LV14APWR	C119	403 155 2101	CERAMIC 1500P K 50V
IC5361	410 325 4704	IC HD74LVC244AT	C121	403 215 0900	CERAMIC 390P J 50V
IC5601	409 124 5906	IC L78M12T-TL	C122	403 155 2101	CERAMIC 1500P K 50V
IC561	409 502 3302	IC L3E06070D0A	C123	403 205 2808	CERAMIC 0.047U K 25V
IC5621	409 416 6505	IC BA05FP-E2	C124	403 307 7008	CERAMIC 0.068U K 16V
IC5623	409 416 6505	IC BA05FP-E2	C126	403 307 7008	CERAMIC 0.068U K 16V
IC5631	409 499 1701	IC PQ025EZ01ZP	C127	403 307 7008	CERAMIC 0.068U K 16V
	409 461 7700	IC PQ2TZ15	C128	403 155 2101	CERAMIC 1500P K 50V

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
C129	403 205 2808	CERAMIC 0.047U K 25V	C307	403 164 0204	CERAMIC 0.1U Z 25V
C1301	403 164 0204	CERAMIC 0.1U Z 25V	C309	403 164 0204	CERAMIC 0.1U Z 25V
C1302	403 265 3302	CERAMIC 680P J 50V	C311	403 164 0204	CERAMIC 0.1U Z 25V
C1303	403 149 9208	CERAMIC 0.01U Z 50V	C312	403 164 0204	CERAMIC 0.1U Z 25V
C131	403 164 0204	CERAMIC 0.1U Z 25V	C313	403 164 0204	CERAMIC 0.1U Z 25V
C132	403 378 6405	CERAMIC 10U Z 16V	C314	403 164 0204	CERAMIC 0.1U Z 25V
C1321	403 164 0204	CERAMIC 0.1U Z 25V	C316	403 164 0204	CERAMIC 0.1U Z 25V
C133	403 157 1508	CERAMIC 3P C 50V	C331	403 164 0204	CERAMIC 0.1U Z 25V
C1331	403 149 9208	CERAMIC 0.01U Z 50V	C341	403 283 6309	CERAMIC 1U Z 10V
C1332	403 164 0204	CERAMIC 0.1U Z 25V	C351	403 164 0204	CERAMIC 0.1U Z 25V
C1333	403 265 3302	CERAMIC 680P J 50V	C352	403 149 9208	CERAMIC 0.01U Z 50V
C134	403 157 1508	CERAMIC 3P C 50V	C353	403 149 9208	CERAMIC 0.01U Z 50V
C1351	403 164 0204	CERAMIC 0.1U Z 25V	C3531	403 322 7809	ELECT 220U M 6.3V
C136	403 281 5205	CERAMIC 0.22U Z 16V		403 349 4706	ELECT 220U M 6.3V
C137	403 155 2101	CERAMIC 1500P K 50V	C3532	403 164 0204	CERAMIC 0.1U Z 25V
C138	403 215 0900	CERAMIC 390P J 50V	C3533	403 164 0204	CERAMIC 0.1U Z 25V
C1381	403 149 9208	CERAMIC 0.01U Z 50V	C3534	403 229 3508	ELECT 100U M 16V
C1382	403 175 4505	ELECT 47U M 6.3V		403 335 0408	ELECT 100U M 16V
C139	403 378 6405	CERAMIC 10U Z 16V	C3536	403 164 0204	CERAMIC 0.1U Z 25V
C1391	403 164 0204	CERAMIC 0.1U Z 25V	C354	403 164 0204	CERAMIC 0.1U Z 25V
C141	403 205 2808	CERAMIC 0.047U K 25V	C3561	403 322 7809	ELECT 220U M 6.3V
C142	403 281 5205	CERAMIC 0.22U Z 16V		403 349 4706	ELECT 220U M 6.3V
C143	403 155 2101	CERAMIC 1500P K 50V	C3562	403 164 0204	CERAMIC 0.1U Z 25V
C144	403 215 0900	CERAMIC 390P J 50V	C3566	403 164 0204	CERAMIC 0.1U Z 25V
C146	403 378 6405	CERAMIC 10U Z 16V	C3568	403 164 0204	CERAMIC 0.1U Z 25V
C147	403 205 2808	CERAMIC 0.047U K 25V	C362	403 164 0204	CERAMIC 0.1U Z 25V
C148	403 164 0204	CERAMIC 0.1U Z 25V	C3801	403 283 6309	CERAMIC 1U Z 10V
C149	403 164 0204	CERAMIC 0.1U Z 25V	C3802	403 310 8306	CERAMIC 10U Z 10V
C1501	403 164 0204	CERAMIC 0.1U Z 25V	C3803	403 310 8306	CERAMIC 10U Z 10V
C1503	403 164 0204	CERAMIC 0.1U Z 25V	C3804	403 310 8306	CERAMIC 10U Z 10V
C1521	403 164 0204	CERAMIC 0.1U Z 25V	C3806	403 310 8306	CERAMIC 10U Z 10V
C1523	403 164 0204	CERAMIC 0.1U Z 25V	C3807	403 283 6309	CERAMIC 1U Z 10V
C1541	403 322 7809	ELECT 220U M 6.3V	C3808	403 164 0204	CERAMIC 0.1U Z 25V
	403 349 4706	ELECT 220U M 6.3V	C401	403 322 7809	ELECT 220U M 6.3V
C1542	403 322 7809	ELECT 220U M 6.3V		403 349 4706	ELECT 220U M 6.3V
	403 349 4706	ELECT 220U M 6.3V	C402	403 164 0204	CERAMIC 0.1U Z 25V
C1802	403 164 0204	CERAMIC 0.1U Z 25V	C403	403 322 7809	ELECT 220U M 6.3V
C181	403 304 2105	ELECT 47U M 6.3V		403 349 4706	ELECT 220U M 6.3V
C182	403 322 7809	ELECT 220U M 6.3V	C404	403 164 0204	CERAMIC 0.1U Z 25V
	403 349 4706	ELECT 220U M 6.3V	C406	403 164 0204	CERAMIC 0.1U Z 25V
C1821	403 164 0204	CERAMIC 0.1U Z 25V	C407	403 164 0204	CERAMIC 0.1U Z 25V
C1822	403 283 6309	CERAMIC 1U Z 10V	C408	403 164 0204	CERAMIC 0.1U Z 25V
C1823	403 283 6309	CERAMIC 1U Z 10V	C409	403 164 0204	CERAMIC 0.1U Z 25V
C1824	403 283 6309	CERAMIC 1U Z 10V	C411	403 164 0204	CERAMIC 0.1U Z 25V
C2502	403 162 4709	ELECT 10U M 16V	C412	403 164 0204	CERAMIC 0.1U Z 25V
	403 335 0309	ELECT 10U M 16V	C413	403 164 0204	CERAMIC 0.1U Z 25V
C301	403 322 7809	ELECT 220U M 6.3V	C414	403 164 0204	CERAMIC 0.1U Z 25V
	403 349 4706	ELECT 220U M 6.3V	C416	403 164 0204	CERAMIC 0.1U Z 25V
C303	403 164 0204	CERAMIC 0.1U Z 25V	C417	403 164 0204	CERAMIC 0.1U Z 25V
C304	403 322 7809	ELECT 220U M 6.3V	C418	403 164 0204	CERAMIC 0.1U Z 25V
	403 349 4706	ELECT 220U M 6.3V	C419	403 164 0204	CERAMIC 0.1U Z 25V
C305TM	403 237 8007	MT-COMPO 0.1U J 50V	C421	403 164 0204	CERAMIC 0.1U Z 25V

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Key No.	Part No.	Description	Key No.	Part No.	Description
C422	403 283 6309	CERAMIC 1U Z 10V	C5346	403 162 6208	ELECT 1U M 50V
C4501	403 229 3508	ELECT 100U M 16V	C5347	403 162 6604	ELECT 2.2U M 50V
	403 335 0408	ELECT 100U M 16V	C5348	403 162 6208	ELECT 1U M 50V
C4502	403 164 0204	CERAMIC 0.1U Z 25V	C5351	403 149 9208	CERAMIC 0.01U Z 50V
C4503	403 164 0204	CERAMIC 0.1U Z 25V	C537	403 149 9208	CERAMIC 0.01U Z 50V
C4504	403 149 9208	CERAMIC 0.01U Z 50V	C538	403 164 0204	CERAMIC 0.1U Z 25V
C4506	403 164 0204	CERAMIC 0.1U Z 25V	C539	403 164 0204	CERAMIC 0.1U Z 25V
C4507	403 162 5300	ELECT 4.7U M 25V	C5392	403 164 0204	CERAMIC 0.1U Z 25V
C4508	403 164 0204	CERAMIC 0.1U Z 25V	C541	403 164 0204	CERAMIC 0.1U Z 25V
C4509	403 378 6405	CERAMIC 10U Z 16V	C542	403 304 3300	ELECT 47U M 16V
C4531	403 164 0204	CERAMIC 0.1U Z 25V	C543	403 164 0204	CERAMIC 0.1U Z 25V
C4532	403 164 0204	CERAMIC 0.1U Z 25V	C544	403 164 0204	CERAMIC 0.1U Z 25V
C4533	403 149 9208	CERAMIC 0.01U Z 50V	C546	403 164 0204	CERAMIC 0.1U Z 25V
C4534	403 164 0204	CERAMIC 0.1U Z 25V	C5601	403 341 7507	ELECT 100U M 25V
C4536	403 378 6405	CERAMIC 10U Z 16V	C5602	403 341 7507	ELECT 100U M 25V
C4537	403 164 0204	CERAMIC 0.1U Z 25V	C5603	403 164 0204	CERAMIC 0.1U Z 25V
C4538	403 162 5300	ELECT 4.7U M 25V	C5606	403 229 3508	ELECT 100U M 16V
C4561	403 164 0204	CERAMIC 0.1U Z 25V		403 335 0408	ELECT 100U M 16V
C4562	403 164 0204	CERAMIC 0.1U Z 25V	C5607	403 164 0204	CERAMIC 0.1U Z 25V
C4563	403 149 9208	CERAMIC 0.01U Z 50V	C561	403 164 0204	CERAMIC 0.1U Z 25V
C4564	403 378 6405	CERAMIC 10U Z 16V	C5611	403 341 3905	POS-SOLID 100U M 6.3V
C4566	403 164 0204	CERAMIC 0.1U Z 25V	C5612	403 164 0204	CERAMIC 0.1U Z 25V
C4801	403 164 0204	CERAMIC 0.1U Z 25V	C5613	403 334 8603	ELECT 220U M 6.3V
C4804	403 205 2808	CERAMIC 0.047U K 25V	C562	403 164 0204	CERAMIC 0.1U Z 25V
C4807	403 283 6309	CERAMIC 1U Z 10V	C5621	403 341 3905	POS-SOLID 100U M 6.3V
	403 336 5600	CERAMIC 1U Z 10V	C5622	403 164 0204	CERAMIC 0.1U Z 25V
C501	403 164 0204	CERAMIC 0.1U Z 25V	C5623	403 334 8603	ELECT 220U M 6.3V
C502	403 164 0204	CERAMIC 0.1U Z 25V	C5624	403 334 8603	ELECT 220U M 6.3V
C503	403 304 1801	ELECT 100U M 6.3V	C5626	403 334 8603	ELECT 220U M 6.3V
	403 373 7704	ELECT 100U M 6.3V	C563	403 304 1801	ELECT 100U M 6.3V
C504	403 164 0204	CERAMIC 0.1U Z 25V		403 373 7704	ELECT 100U M 6.3V
C507	403 149 9208	CERAMIC 0.01U Z 50V	C5632	403 164 0204	CERAMIC 0.1U Z 25V
C508	403 164 0204	CERAMIC 0.1U Z 25V	C5633	403 164 0204	CERAMIC 0.1U Z 25V
C509	403 164 0204	CERAMIC 0.1U Z 25V	C5634	403 322 7809	ELECT 220U M 6.3V
C511	403 164 0204	CERAMIC 0.1U Z 25V		403 349 4706	ELECT 220U M 6.3V
C512	403 304 3300	ELECT 47U M 16V	C5636	403 164 0204	CERAMIC 0.1U Z 25V
C513	403 164 0204	CERAMIC 0.1U Z 25V	C564	403 164 0204	CERAMIC 0.1U Z 25V
C514	403 164 0204	CERAMIC 0.1U Z 25V	C5641	403 164 0204	CERAMIC 0.1U Z 25V
C516	403 164 0204	CERAMIC 0.1U Z 25V	C5642	403 322 7809	ELECT 220U M 6.3V
C5301	403 314 6100	CERAMIC 2.2U K 10V		403 349 4706	ELECT 220U M 6.3V
C5303	403 157 3809	CERAMIC 120P J 50V	C5643	403 164 0204	CERAMIC 0.1U Z 25V
C531	403 164 0204	CERAMIC 0.1U Z 25V	C5644	403 164 0204	CERAMIC 0.1U Z 25V
C5311	403 314 5905	CERAMIC 0.47U K 16V	C5646	403 280 1604	ELECT 220U M 16V
C5313	403 155 1609	CERAMIC 33P J 50V	C5647	403 322 7809	ELECT 220U M 6.3V
C532	403 164 0204	CERAMIC 0.1U Z 25V		403 349 4706	ELECT 220U M 6.3V
C5321	403 275 3002	CERAMIC 0.047U K 16V	C5648	403 164 0204	CERAMIC 0.1U Z 25V
C533	403 304 1801	ELECT 100U M 6.3V	C5649	403 164 0204	CERAMIC 0.1U Z 25V
	403 373 7704	ELECT 100U M 6.3V	C5651	403 164 0204	CERAMIC 0.1U Z 25V
C534	403 164 0204	CERAMIC 0.1U Z 25V	C5652	403 280 1604	ELECT 220U M 16V
C5341	403 164 0204	CERAMIC 0.1U Z 25V	C5653	403 322 7809	ELECT 220U M 6.3V
C5343	403 164 0204	CERAMIC 0.1U Z 25V		403 349 4706	ELECT 220U M 6.3V
C5344	403 157 3601	CERAMIC 100P J 50V	C5654	403 164 0204	CERAMIC 0.1U Z 25V

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Key No.	Part No.	Description	Key No.	Part No.	Description
C5661	403 164 0204	CERAMIC 0.1U Z 25V	C6342	403 157 2901	CERAMIC 47P J 50V
C5663	403 322 7809	ELECT 220U M 6.3V	C6343	403 162 5300	ELECT 4.7U M 25V
	403 349 4706	ELECT 220U M 6.3V	C6344	403 149 9208	CERAMIC 0.01U Z 50V
C5664	403 164 0204	CERAMIC 0.1U Z 25V	C6351	403 304 2105	ELECT 47U M 6.3V
C5666	403 164 0204	CERAMIC 0.1U Z 25V	C6352	403 164 0204	CERAMIC 0.1U Z 25V
C5668	403 322 7809	ELECT 220U M 6.3V	C6353	403 162 6208	ELECT 1U M 50V
	403 349 4706	ELECT 220U M 6.3V	C6354	403 215 2201	CERAMIC 0.01U K 50V
C5669	403 164 0204	CERAMIC 0.1U Z 25V	C6356	403 157 6909	CERAMIC 820P K 50V
C567	403 149 9208	CERAMIC 0.01U Z 50V	C6357	403 237 8700	CERAMIC 0.056U Z 50V
C5671	403 164 0204	CERAMIC 0.1U Z 25V	C6358	403 224 6603	CERAMIC 0.022U Z 50V
C5673	403 322 7809	ELECT 220U M 6.3V	C6361	403 164 0204	CERAMIC 0.1U Z 25V
	403 349 4706	ELECT 220U M 6.3V	C6362	403 149 9208	CERAMIC 0.01U Z 50V
C5674	403 164 0204	CERAMIC 0.1U Z 25V	C6363	403 164 0204	CERAMIC 0.1U Z 25V
C568	403 164 0204	CERAMIC 0.1U Z 25V	C6371	403 164 0204	CERAMIC 0.1U Z 25V
C5681	403 164 0204	CERAMIC 0.1U Z 25V	C7201	403 164 0204	CERAMIC 0.1U Z 25V
C5682	403 322 7809	ELECT 220U M 6.3V	C7202	403 175 4505	ELECT 47U M 6.3V
	403 349 4706	ELECT 220U M 6.3V	C7203	403 164 0204	CERAMIC 0.1U Z 25V
C5683	403 322 7809	ELECT 220U M 6.3V	C7204	403 164 0204	CERAMIC 0.1U Z 25V
	403 349 4706	ELECT 220U M 6.3V	C7206	403 164 0204	CERAMIC 0.1U Z 25V
C5684	403 164 0204	CERAMIC 0.1U Z 25V	C7207	403 164 0204	CERAMIC 0.1U Z 25V
C569	403 164 0204	CERAMIC 0.1U Z 25V	C7208	403 164 0204	CERAMIC 0.1U Z 25V
C5691	403 322 7809	ELECT 220U M 6.3V	C7209	403 164 0204	CERAMIC 0.1U Z 25V
	403 349 4706	ELECT 220U M 6.3V	C7211	403 164 0204	CERAMIC 0.1U Z 25V
C5692	403 164 0204	CERAMIC 0.1U Z 25V	C7213	403 164 0204	CERAMIC 0.1U Z 25V
C5693	403 164 0204	CERAMIC 0.1U Z 25V	C7214	403 164 0204	CERAMIC 0.1U Z 25V
C5694	403 322 7809	ELECT 220U M 6.3V	C7216	403 164 0204	CERAMIC 0.1U Z 25V
	403 349 4706	ELECT 220U M 6.3V	C7217	403 164 0204	CERAMIC 0.1U Z 25V
C5696	403 164 0204	CERAMIC 0.1U Z 25V	C7252	403 283 6309	CERAMIC 1U Z 10V
C571	403 164 0204	CERAMIC 0.1U Z 25V	C7253	403 164 0204	CERAMIC 0.1U Z 25V
C572	403 304 3300	ELECT 47U M 16V	C7801	403 164 0204	CERAMIC 0.1U Z 25V
C573	403 164 0204	CERAMIC 0.1U Z 25V	C7802	403 164 0204	CERAMIC 0.1U Z 25V
C574	403 164 0204	CERAMIC 0.1U Z 25V	C7803	403 164 0204	CERAMIC 0.1U Z 25V
C576	403 164 0204	CERAMIC 0.1U Z 25V	C7821	403 321 7503	ELECT 220U M 16V
C6201	403 283 6309	CERAMIC 1U Z 10V	C7822	403 164 0204	CERAMIC 0.1U Z 25V
C6203	403 157 1904	CERAMIC 10P D 50V	C7823	403 164 0204	CERAMIC 0.1U Z 25V
C6204	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	C7831	403 321 7503	ELECT 220U M 16V
C6207	403 155 1302	CERAMIC 150P J 50V	C7832	403 164 0204	CERAMIC 0.1U Z 25V
C6221	403 283 6309	CERAMIC 1U Z 10V	C7833	403 164 0204	CERAMIC 0.1U Z 25V
C6223	403 157 1904	CERAMIC 10P D 50V	C7842	403 164 0204	CERAMIC 0.1U Z 25V
C6224	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	C7843	403 164 0204	CERAMIC 0.1U Z 25V
C6227	403 155 1302	CERAMIC 150P J 50V	C7852	403 164 0204	CERAMIC 0.1U Z 25V
C6241	403 283 6309	CERAMIC 1U Z 10V	C7853	403 164 0204	CERAMIC 0.1U Z 25V
C6243	403 157 1904	CERAMIC 10P D 50V	C7862	403 164 0204	CERAMIC 0.1U Z 25V
C6244	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	C7863	403 164 0204	CERAMIC 0.1U Z 25V
C6247	403 155 1302	CERAMIC 150P J 50V	C7881	403 229 3508	ELECT 100U M 16V
C6261	403 164 0204	CERAMIC 0.1U Z 25V		403 335 0408	ELECT 100U M 16V
C6262	403 322 7809	ELECT 220U M 6.3V	C7882	403 229 3508	ELECT 100U M 16V
	403 349 4706	ELECT 220U M 6.3V		403 335 0408	ELECT 100U M 16V
C6263	403 322 7809	ELECT 220U M 6.3V	C7883	403 229 3508	ELECT 100U M 16V
	403 349 4706	ELECT 220U M 6.3V		403 335 0408	ELECT 100U M 16V
C6264	403 164 0204	CERAMIC 0.1U Z 25V	C7884	403 229 3508	ELECT 100U M 16V
C6341	403 283 6309	CERAMIC 1U Z 10V		403 335 0408	ELECT 100U M 16V

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Key No.	Part No.	Description	Key No.	Part No.	Description
C7887	403 229 3508	ELECT 100U M 16V		645 037 0823	R-NETWORK 22X4 1/32W
	403 335 0408	ELECT 100U M 16V	RB307	645 034 5050	R-NETWORK 22X4 1/32W
C802	403 164 0204	CERAMIC 0.1U Z 25V		645 037 0823	R-NETWORK 22X4 1/32W
C811	403 175 3300	ELECT 47U M 16V	RB401	645 034 5050	R-NETWORK 22X4 1/32W
C812	403 164 0204	CERAMIC 0.1U Z 25V		645 037 0823	R-NETWORK 22X4 1/32W
C8202	403 164 0204	CERAMIC 0.1U Z 25V	RB402	645 034 5050	R-NETWORK 22X4 1/32W
C8203	403 164 0204	CERAMIC 0.1U Z 25V		645 037 0823	R-NETWORK 22X4 1/32W
C8204	403 280 0508	ELECT 470U M 4V	RB403	645 034 5050	R-NETWORK 22X4 1/32W
C8206	403 164 0204	CERAMIC 0.1U Z 25V		645 037 0823	R-NETWORK 22X4 1/32W
C8207	403 157 3809	CERAMIC 120P J 50V	RB404	645 034 5050	R-NETWORK 22X4 1/32W
C8208	403 215 2201	CERAMIC 0.01U K 50V		645 037 0823	R-NETWORK 22X4 1/32W
C8209	403 298 9609	CERAMIC 0.1U K 16V	RB406	645 034 5050	R-NETWORK 22X4 1/32W
	403 325 3303	CERAMIC 0.1U K 16V		645 037 0823	R-NETWORK 22X4 1/32W
C8211	403 298 9609	CERAMIC 0.1U K 16V	RB407	645 034 5050	R-NETWORK 22X4 1/32W
	403 325 3303	CERAMIC 0.1U K 16V		645 037 0823	R-NETWORK 22X4 1/32W
C8212	403 164 0204	CERAMIC 0.1U Z 25V	RB408	645 034 5050	R-NETWORK 22X4 1/32W
C8213	403 164 0204	CERAMIC 0.1U Z 25V		645 037 0823	R-NETWORK 22X4 1/32W
C8214	403 164 0204	CERAMIC 0.1U Z 25V	RB409	645 034 5050	R-NETWORK 22X4 1/32W
C8216	403 329 2401	CERAMIC 22U Z 10V		645 037 0823	R-NETWORK 22X4 1/32W
C8217	403 164 0204	CERAMIC 0.1U Z 25V	RB411	645 034 5050	R-NETWORK 22X4 1/32W
C8218	403 164 0204	CERAMIC 0.1U Z 25V		645 037 0823	R-NETWORK 22X4 1/32W
C8219	403 164 0204	CERAMIC 0.1U Z 25V	RB412	645 034 5050	R-NETWORK 22X4 1/32W
C8801	403 155 1609	CERAMIC 33P J 50V		645 037 0823	R-NETWORK 22X4 1/32W
C8802	403 155 1609	CERAMIC 33P J 50V	RB413	645 034 5050	R-NETWORK 22X4 1/32W
C8803	403 164 0204	CERAMIC 0.1U Z 25V		645 037 0823	R-NETWORK 22X4 1/32W
C8811	403 155 1609	CERAMIC 33P J 50V	RB414	645 034 5050	R-NETWORK 22X4 1/32W
C8812	403 155 1609	CERAMIC 33P J 50V		645 037 0823	R-NETWORK 22X4 1/32W
C8813	403 164 0204	CERAMIC 0.1U Z 25V	RB4501	645 036 3528	R-NETWORK 0X4 1/32W
C8863	403 164 0204	CERAMIC 0.1U Z 25V		645 037 0816	R-NETWORK 0X4 1/32W
RESISTOR			RB4502	645 036 3528	R-NETWORK 0X4 1/32W
RB1821	645 020 7822	R-NETWORK 10KX4 0.063W		645 037 0816	R-NETWORK 0X4 1/32W
	645 025 5380	R-NETWORK 10KX4 1/16W	RB4503	645 036 3528	R-NETWORK 0X4 1/32W
RB196	645 036 0985	R-NETWORK 47X4 1/32W		645 037 0816	R-NETWORK 0X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W	RB4561	645 036 3528	R-NETWORK 0X4 1/32W
RB197	645 036 0985	R-NETWORK 47X4 1/32W		645 037 0816	R-NETWORK 0X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W	RB4562	645 036 3528	R-NETWORK 0X4 1/32W
RB198	645 036 0985	R-NETWORK 47X4 1/32W		645 037 0816	R-NETWORK 0X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W	RB4563	645 036 3528	R-NETWORK 0X4 1/32W
RB199	645 036 0985	R-NETWORK 47X4 1/32W		645 037 0816	R-NETWORK 0X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W	RB501	645 036 3528	R-NETWORK 0X4 1/32W
RB301	645 036 0992	R-NETWORK 4.7KX4 1/32W		645 037 0816	R-NETWORK 0X4 1/32W
	645 033 1442	R-NETWORK 4.7KX4 1/32W	RB531	645 036 3528	R-NETWORK 0X4 1/32W
RB302	645 034 5050	R-NETWORK 22X4 1/32W		645 037 0816	R-NETWORK 0X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W	RB561	645 036 3528	R-NETWORK 0X4 1/32W
RB303	645 034 5050	R-NETWORK 22X4 1/32W		645 037 0816	R-NETWORK 0X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W	RB7281	645 036 0985	R-NETWORK 47X4 1/32W
RB304	645 034 5050	R-NETWORK 22X4 1/32W		645 037 0830	R-NETWORK 47X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W	RB7282	645 036 0985	R-NETWORK 47X4 1/32W
RB305	645 034 5050	R-NETWORK 22X4 1/32W		645 037 0830	R-NETWORK 47X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W	RB7283	645 036 0985	R-NETWORK 47X4 1/32W
RB306	645 034 5050	R-NETWORK 22X4 1/32W		645 037 0830	R-NETWORK 47X4 1/32W
			RB7284	645 036 0985	R-NETWORK 47X4 1/32W

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
RB7291	645 037 0830	R-NETWORK 47X4 1/32W	R124	401 105 0603	MT-GLAZE 10K JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R128	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R129	401 105 5103	MT-GLAZE 47 JA 1/16W
RB7292	645 036 0985	R-NETWORK 47X4 1/32W	R1303	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1304	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1308	401 105 0405	MT-GLAZE 100 JA 1/16W
RB7293	645 037 0830	R-NETWORK 47X4 1/32W	R131	401 105 5103	MT-GLAZE 47 JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R132	401 105 5103	MT-GLAZE 47 JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1321	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB7294	645 036 0985	R-NETWORK 47X4 1/32W	R1322	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1323	401 105 5103	MT-GLAZE 47 JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1331	401 105 0306	MT-GLAZE 10 JA 1/16W
RB7296	645 037 0830	R-NETWORK 47X4 1/32W	R1333	401 105 0405	MT-GLAZE 100 JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1339	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R134	401 105 5103	MT-GLAZE 47 JA 1/16W
RB7297	645 036 0985	R-NETWORK 47X4 1/32W	R1341	401 105 0603	MT-GLAZE 10K JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1344	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1346	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB7298	645 037 0830	R-NETWORK 47X4 1/32W	R1347	401 105 0603	MT-GLAZE 10K JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R135	401 105 5103	MT-GLAZE 47 JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1352	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB7299	645 036 0985	R-NETWORK 47X4 1/32W	R1353	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1354	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1356	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB8251	645 037 0830	R-NETWORK 47X4 1/32W	R137	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1381	401 105 5301	MT-GLAZE 4.7K JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1382	401 105 5301	MT-GLAZE 4.7K JA 1/16W
RB8252	645 036 0985	R-NETWORK 47X4 1/32W	R1383	401 105 5301	MT-GLAZE 4.7K JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1391	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1392	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB8253	645 037 0830	R-NETWORK 47X4 1/32W	R1393	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1394	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1397	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB8254	645 036 0985	R-NETWORK 47X4 1/32W	R1398	401 105 5103	MT-GLAZE 47 JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R141	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R142	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB8255	645 037 0830	R-NETWORK 47X4 1/32W	R143	401 105 5103	MT-GLAZE 47 JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R146	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1501	401 105 0405	MT-GLAZE 100 JA 1/16W
RB8256	645 036 0985	R-NETWORK 47X4 1/32W	R1502	401 105 0405	MT-GLAZE 100 JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1503	401 105 0504	MT-GLAZE 1K JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1504	401 105 0504	MT-GLAZE 1K JA 1/16W
RB8257	645 037 0830	R-NETWORK 47X4 1/32W	R1506	401 105 0504	MT-GLAZE 1K JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1507	401 105 0504	MT-GLAZE 1K JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R1508	401 105 0504	MT-GLAZE 1K JA 1/16W
RB8258	645 036 0985	R-NETWORK 47X4 1/32W	R1509	401 105 0504	MT-GLAZE 1K JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R151	401 105 0405	MT-GLAZE 100 JA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1511	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB8259	645 037 0830	R-NETWORK 47X4 1/32W	R1512	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 036 0985	R-NETWORK 47X4 1/32W	R1513	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W	R152	401 105 0504	MT-GLAZE 1K JA 1/16W
RB8261	645 036 0985	R-NETWORK 47X4 1/32W	R1521	401 105 0405	MT-GLAZE 100 JA 1/16W
	645 037 0830	R-NETWORK 47X4 1/32W			
	645 036 0985	R-NETWORK 47X4 1/32W			
RB8262	645 037 0830	R-NETWORK 47X4 1/32W			
	645 036 0985	R-NETWORK 47X4 1/32W			
	645 037 0830	R-NETWORK 47X4 1/32W			
RB8263	645 036 0985	R-NETWORK 47X4 1/32W			
	645 037 0830	R-NETWORK 47X4 1/32W			
	645 036 0985	R-NETWORK 47X4 1/32W			
RB8264	645 037 0830	R-NETWORK 47X4 1/32W			
	645 036 0985	R-NETWORK 47X4 1/32W			
	645 037 0830	R-NETWORK 47X4 1/32W			
R101	401 105 0306	MT-GLAZE 10 JA 1/16W			
R103	401 105 0306	MT-GLAZE 10 JA 1/16W			
R104	401 105 0306	MT-GLAZE 10 JA 1/16W			
R111	401 105 0306	MT-GLAZE 10 JA 1/16W			
R112	401 105 0306	MT-GLAZE 10 JA 1/16W			
R113	401 105 0306	MT-GLAZE 10 JA 1/16W			
R114	401 105 0306	MT-GLAZE 10 JA 1/16W			
R116	401 105 0306	MT-GLAZE 10 JA 1/16W			
R121	401 105 0405	MT-GLAZE 100 JA 1/16W			
R122	401 105 0405	MT-GLAZE 100 JA 1/16W			
R123	401 105 0405	MT-GLAZE 100 JA 1/16W			

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
R1522	401 105 0405	MT-GLAZE 100 JA 1/16W	R2502	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1538	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2503	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1541	401 190 1707	MT-GLAZE 0.000 ZA 1W	R2504	401 105 0603	MT-GLAZE 10K JA 1/16W
R1542	401 104 6002	MT-GLAZE 100 JA 1W	R301	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1543	401 104 6002	MT-GLAZE 100 JA 1W	R303	401 105 2904	MT-GLAZE 22K JA 1/16W
R1544	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R304	401 105 2904	MT-GLAZE 22K JA 1/16W
R1548	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R308	401 105 0504	MT-GLAZE 1K JA 1/16W
R157	401 105 6506	MT-GLAZE 680 JA 1/16W	R312	401 105 0306	MT-GLAZE 10 JA 1/16W
R161	401 105 0405	MT-GLAZE 100 JA 1/16W	R314	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R162	401 105 0504	MT-GLAZE 1K JA 1/16W	R316	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R167	401 105 6506	MT-GLAZE 680 JA 1/16W	R317	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R171	401 105 0405	MT-GLAZE 100 JA 1/16W	R319	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R172	401 105 0504	MT-GLAZE 1K JA 1/16W	R321	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R177	401 105 6506	MT-GLAZE 680 JA 1/16W	R326	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1801	401 105 4106	MT-GLAZE 3.3K JA 1/16W	R329	401 105 0306	MT-GLAZE 10 JA 1/16W
R1802	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R331	401 105 0405	MT-GLAZE 100 JA 1/16W
R1804	401 105 0306	MT-GLAZE 10 JA 1/16W	R332	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1806	401 105 0306	MT-GLAZE 10 JA 1/16W	R333	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1807	401 105 0306	MT-GLAZE 10 JA 1/16W	R341	401 105 0504	MT-GLAZE 1K JA 1/16W
R1808	401 105 0306	MT-GLAZE 10 JA 1/16W	R344TM	401 024 7004	CARBON 1K JA 1/6W
R1809	401 105 0306	MT-GLAZE 10 JA 1/16W	R346	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1811	401 105 0306	MT-GLAZE 10 JA 1/16W	R347	401 105 0306	MT-GLAZE 10 JA 1/16W
R1812	401 105 5103	MT-GLAZE 47 JA 1/16W	R351	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1813	401 105 5103	MT-GLAZE 47 JA 1/16W	R352	401 105 0306	MT-GLAZE 10 JA 1/16W
R1814	401 105 5103	MT-GLAZE 47 JA 1/16W	R353	401 105 5905	MT-GLAZE 560 JA 1/16W
R1816	401 105 5103	MT-GLAZE 47 JA 1/16W	R3531	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1821	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3532	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1822	401 105 1105	MT-GLAZE 12K JA 1/16W	R3533	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1823	401 105 2508	MT-GLAZE 20K JA 1/16W	R3534	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1824	401 105 0603	MT-GLAZE 10K JA 1/16W	R3536	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1826	401 105 0405	MT-GLAZE 100 JA 1/16W	R3538	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1827	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R354	401 113 5904	MT-GLAZE 1.3K JA 1/16W
R1828	401 105 0603	MT-GLAZE 10K JA 1/16W	R3542	401 105 0306	MT-GLAZE 10 JA 1/16W
R1831	401 105 0603	MT-GLAZE 10K JA 1/16W	R3543	401 105 0306	MT-GLAZE 10 JA 1/16W
R1832	401 105 0603	MT-GLAZE 10K JA 1/16W	R3544	401 105 0306	MT-GLAZE 10 JA 1/16W
R1835	401 105 0603	MT-GLAZE 10K JA 1/16W	R3546	401 105 0306	MT-GLAZE 10 JA 1/16W
R1836	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3547	401 105 0306	MT-GLAZE 10 JA 1/16W
R1841	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3548	401 105 0306	MT-GLAZE 10 JA 1/16W
R1842	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3549	401 105 0306	MT-GLAZE 10 JA 1/16W
R1843	401 105 0603	MT-GLAZE 10K JA 1/16W	R3551	401 105 0306	MT-GLAZE 10 JA 1/16W
R1844	401 105 0603	MT-GLAZE 10K JA 1/16W	R3552	401 105 0306	MT-GLAZE 10 JA 1/16W
R1846	401 105 0603	MT-GLAZE 10K JA 1/16W	R3553	401 105 0306	MT-GLAZE 10 JA 1/16W
R1857	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3554	401 105 0306	MT-GLAZE 10 JA 1/16W
R1858	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3556	401 105 0306	MT-GLAZE 10 JA 1/16W
R1859	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3557	401 105 0306	MT-GLAZE 10 JA 1/16W
R1861	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3558	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1862	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3559	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1863	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R356	401 105 4007	MT-GLAZE 330 JA 1/16W
R1864	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3561	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1866	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3562	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1867	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3563	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2501	401 105 1501	MT-GLAZE 1.5K JA 1/16W	R3564	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
R3566	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R428	401 105 2607	MT-GLAZE 22 JA 1/16W
R3568	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R429	401 105 2607	MT-GLAZE 22 JA 1/16W
R3569	401 105 0306	MT-GLAZE 10 JA 1/16W	R431	401 105 3901	MT-GLAZE 33 JA 1/16W
R357	401 105 6506	MT-GLAZE 680 JA 1/16W	R432	401 105 3901	MT-GLAZE 33 JA 1/16W
R3571	401 105 0306	MT-GLAZE 10 JA 1/16W	R433	401 105 3901	MT-GLAZE 33 JA 1/16W
R3572	401 105 0306	MT-GLAZE 10 JA 1/16W	R434	401 105 3901	MT-GLAZE 33 JA 1/16W
R3573	401 105 0306	MT-GLAZE 10 JA 1/16W	R436	401 105 3901	MT-GLAZE 33 JA 1/16W
R3574	401 105 0306	MT-GLAZE 10 JA 1/16W	R437	401 105 3901	MT-GLAZE 33 JA 1/16W
R3576	401 105 0306	MT-GLAZE 10 JA 1/16W	R438	401 105 3901	MT-GLAZE 33 JA 1/16W
R3577	401 105 0306	MT-GLAZE 10 JA 1/16W	R439	401 105 3901	MT-GLAZE 33 JA 1/16W
R3578	401 105 0306	MT-GLAZE 10 JA 1/16W	R441	401 105 3901	MT-GLAZE 33 JA 1/16W
R3579	401 105 0306	MT-GLAZE 10 JA 1/16W	R442	401 105 3901	MT-GLAZE 33 JA 1/16W
R358	401 105 4106	MT-GLAZE 3.3K JA 1/16W	R443	401 105 3901	MT-GLAZE 33 JA 1/16W
R3581	401 105 0306	MT-GLAZE 10 JA 1/16W	R444	401 105 2607	MT-GLAZE 22 JA 1/16W
R3582	401 105 0306	MT-GLAZE 10 JA 1/16W	R446	401 105 2607	MT-GLAZE 22 JA 1/16W
R3583	401 105 0306	MT-GLAZE 10 JA 1/16W	R447	401 105 3901	MT-GLAZE 33 JA 1/16W
R3584	401 105 0306	MT-GLAZE 10 JA 1/16W	R448	401 105 3901	MT-GLAZE 33 JA 1/16W
R3586	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R449	401 105 3901	MT-GLAZE 33 JA 1/16W
R3587	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4501	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R359	401 105 4106	MT-GLAZE 3.3K JA 1/16W	R4502	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R361	401 105 0306	MT-GLAZE 10 JA 1/16W	R4509	401 105 0603	MT-GLAZE 10K JA 1/16W
R362	401 105 0306	MT-GLAZE 10 JA 1/16W	R451	401 105 3901	MT-GLAZE 33 JA 1/16W
R363	401 105 4106	MT-GLAZE 3.3K JA 1/16W	R4511	401 105 3406	MT-GLAZE 27K JA 1/16W
R364	401 105 4106	MT-GLAZE 3.3K JA 1/16W	R4513	401 105 0504	MT-GLAZE 1K JA 1/16W
R366	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R452	401 105 3901	MT-GLAZE 33 JA 1/16W
R367	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R453	401 105 3901	MT-GLAZE 33 JA 1/16W
R377	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4536	401 105 0603	MT-GLAZE 10K JA 1/16W
R378	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R4537	401 105 3406	MT-GLAZE 27K JA 1/16W
R3801	401 105 0405	MT-GLAZE 100 JA 1/16W	R4539	401 105 0504	MT-GLAZE 1K JA 1/16W
R3802	401 105 0603	MT-GLAZE 10K JA 1/16W	R454	401 105 3901	MT-GLAZE 33 JA 1/16W
R3803	401 105 0405	MT-GLAZE 100 JA 1/16W	R4541	401 105 6100	MT-GLAZE 560K JA 1/16W
R3804	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4542	401 105 6100	MT-GLAZE 560K JA 1/16W
R382	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4543	401 105 6100	MT-GLAZE 560K JA 1/16W
R390	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4546	401 105 4205	MT-GLAZE 33K JA 1/16W
R401	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4547	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R402	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4548	401 105 0603	MT-GLAZE 10K JA 1/16W
R403	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R456	401 105 3901	MT-GLAZE 33 JA 1/16W
R404	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4562	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R411	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4568	401 105 3406	MT-GLAZE 27K JA 1/16W
R412	401 105 2607	MT-GLAZE 22 JA 1/16W	R4569	401 105 0603	MT-GLAZE 10K JA 1/16W
R413	401 105 2607	MT-GLAZE 22 JA 1/16W	R457	401 105 3901	MT-GLAZE 33 JA 1/16W
R414	401 105 3901	MT-GLAZE 33 JA 1/16W	R4572	401 105 0504	MT-GLAZE 1K JA 1/16W
R416	401 105 3901	MT-GLAZE 33 JA 1/16W	R458	401 105 3901	MT-GLAZE 33 JA 1/16W
R417	401 105 3901	MT-GLAZE 33 JA 1/16W	R459	401 105 3901	MT-GLAZE 33 JA 1/16W
R418	401 105 3901	MT-GLAZE 33 JA 1/16W	R461	401 105 3901	MT-GLAZE 33 JA 1/16W
R419	401 105 3901	MT-GLAZE 33 JA 1/16W	R462	401 105 3901	MT-GLAZE 33 JA 1/16W
R421	401 105 3901	MT-GLAZE 33 JA 1/16W	R463	401 105 3901	MT-GLAZE 33 JA 1/16W
R422	401 105 3901	MT-GLAZE 33 JA 1/16W	R466	401 105 0603	MT-GLAZE 10K JA 1/16W
R423	401 105 3901	MT-GLAZE 33 JA 1/16W	R467	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R424	401 105 3901	MT-GLAZE 33 JA 1/16W	R468	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R426	401 105 3901	MT-GLAZE 33 JA 1/16W	R469	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R427	401 105 3901	MT-GLAZE 33 JA 1/16W	R471	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
R472	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R539	401 105 0504	MT-GLAZE 1K JA 1/16W
R473	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5391	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R474	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5392	401 105 0603	MT-GLAZE 10K JA 1/16W
R4801	401 105 0405	MT-GLAZE 100 JA 1/16W	R5394	401 105 0603	MT-GLAZE 10K JA 1/16W
R4802	401 105 0405	MT-GLAZE 100 JA 1/16W	R5397	401 105 0306	MT-GLAZE 10 JA 1/16W
R4803	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R543	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4806	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R544	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4807	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R546	401 105 0603	MT-GLAZE 10K JA 1/16W
R4808	401 105 0603	MT-GLAZE 10K JA 1/16W	R547	401 105 0603	MT-GLAZE 10K JA 1/16W
R4809	401 105 0405	MT-GLAZE 100 JA 1/16W	R5601	401 238 4400	MT-GLAZE 2.7K JA 1/3W
R4810	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R5602	401 238 4202	MT-GLAZE 1.5K JA 1/3W
R4814	401 105 0603	MT-GLAZE 10K JA 1/16W	R5603	401 105 2904	MT-GLAZE 22K JA 1/16W
R4816	401 105 0405	MT-GLAZE 100 JA 1/16W	R5604	401 105 0603	MT-GLAZE 10K JA 1/16W
R4818	401 105 0405	MT-GLAZE 100 JA 1/16W	R5605	401 105 0405	MT-GLAZE 100 JA 1/16W
R4819	401 105 2904	MT-GLAZE 22K JA 1/16W	R5606	401 225 7605	MT-GLAZE 1 JA 1W
R4822	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5607	401 198 7701	MT-GLAZE 33 JA 1W
R4827	401 105 0405	MT-GLAZE 100 JA 1/16W	R5609	401 105 0603	MT-GLAZE 10K JA 1/16W
R4828	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R561	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R4829	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5611	401 225 7605	MT-GLAZE 1 JA 1W
R501	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R562	401 105 1600	MT-GLAZE 15K JA 1/16W
R502	401 105 1600	MT-GLAZE 15K JA 1/16W	R5621	401 247 0509	MT-GLAZE 6.8 JA 1/3W
R503	401 105 1105	MT-GLAZE 12K JA 1/16W	R563	401 105 1105	MT-GLAZE 12K JA 1/16W
R504	401 105 2508	MT-GLAZE 20K JA 1/16W	R5631	401 105 0405	MT-GLAZE 100 JA 1/16W
R507	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R564	401 105 2508	MT-GLAZE 20K JA 1/16W
R509	401 105 0504	MT-GLAZE 1K JA 1/16W	R5641	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R513	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5642	401 203 1106	MT-GLAZE 8.2 JA 1W
R514	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5643	401 203 1106	MT-GLAZE 8.2 JA 1W
R516	401 105 0603	MT-GLAZE 10K JA 1/16W	R5651	401 102 7407	MT-GLAZE 10 JA 1W
R517	401 105 0603	MT-GLAZE 10K JA 1/16W	R5652	401 102 7407	MT-GLAZE 10 JA 1W
R5301	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5661	401 234 4701	MT-GLAZE 3.3 JA 1W
R5302	401 105 0306	MT-GLAZE 10 JA 1/16W	R5662	401 276 4707	MT-GLAZE 0.000 ZA 1/3W
R531	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R5663	401 276 4707	MT-GLAZE 0.000 ZA 1/3W
R5311	401 105 8005	MT-GLAZE 1M JA 1/16W	R5664	401 276 4707	MT-GLAZE 0.000 ZA 1/3W
R5312	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R567	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5313	401 105 0405	MT-GLAZE 100 JA 1/16W	R5671	401 225 7605	MT-GLAZE 1 JA 1W
R532	401 105 1600	MT-GLAZE 15K JA 1/16W	R5681	401 234 8105	MT-GLAZE 4.7 JA 1W
R5322	401 105 0405	MT-GLAZE 100 JA 1/16W	R5682	401 234 8105	MT-GLAZE 4.7 JA 1W
R533	401 105 1105	MT-GLAZE 12K JA 1/16W	R5683	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R534	401 105 2508	MT-GLAZE 20K JA 1/16W	R5684	401 105 2904	MT-GLAZE 22K JA 1/16W
R5341	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R569	401 105 0504	MT-GLAZE 1K JA 1/16W
R5351	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R5691	401 105 0405	MT-GLAZE 100 JA 1/16W
R5352	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R572	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5361	401 105 0405	MT-GLAZE 100 JA 1/16W	R573	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5362	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R574	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5363	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R576	401 105 0603	MT-GLAZE 10K JA 1/16W
R537	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R577	401 105 0603	MT-GLAZE 10K JA 1/16W
R5371	401 105 0405	MT-GLAZE 100 JA 1/16W	R6201	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R5372	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6203	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R5373	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6204	401 105 0405	MT-GLAZE 100 JA 1/16W
R5381	401 105 0405	MT-GLAZE 100 JA 1/16W	R6207	401 105 0405	MT-GLAZE 100 JA 1/16W
R5382	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6208	401 105 2706	MT-GLAZE 220 JA 1/16W
R5383	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6209	401 105 4601	MT-GLAZE 3.9K JA 1/16W

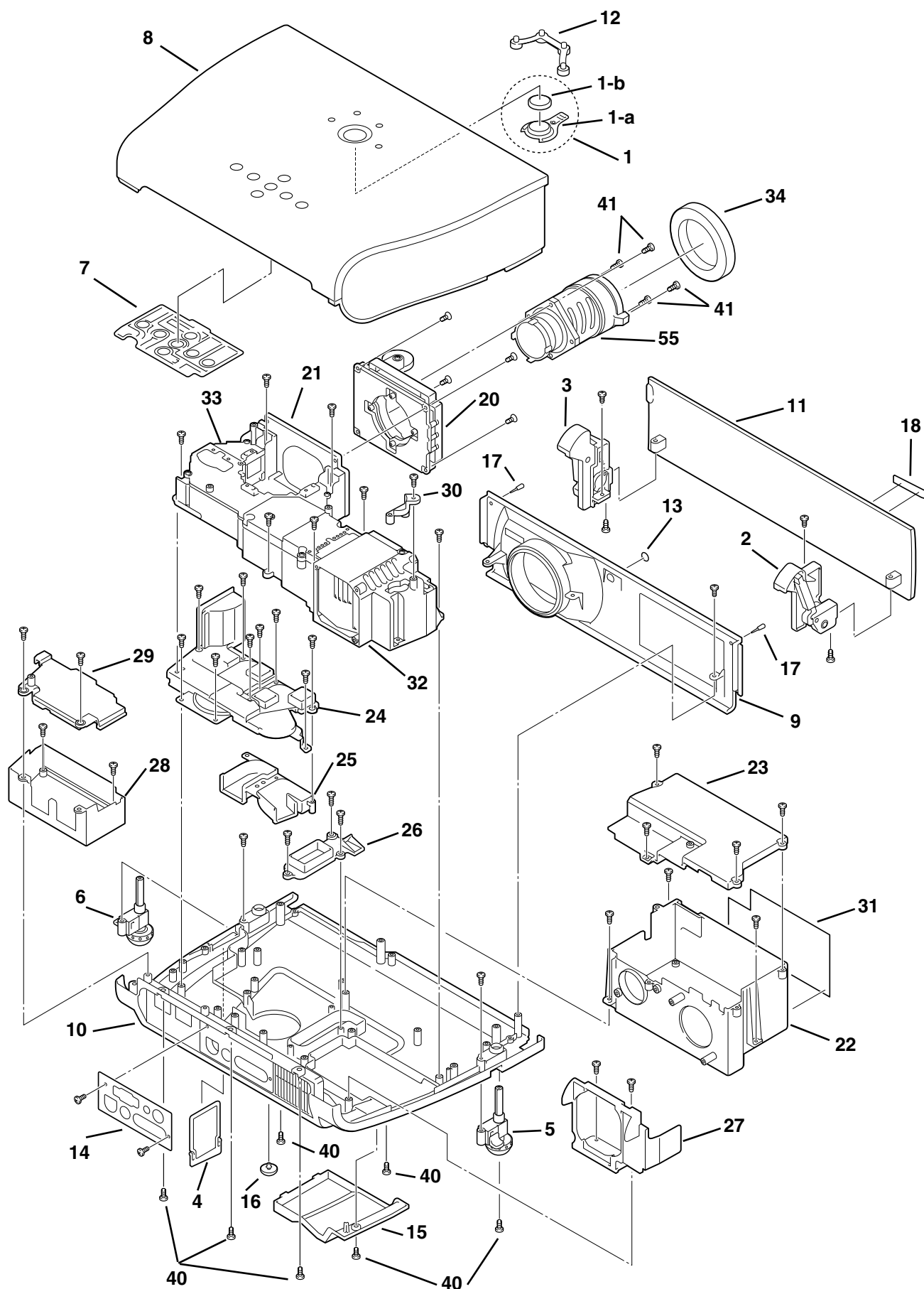
Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
R6212	401 105 5905	MT-GLAZE 560 JA 1/16W	R6367	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6213	401 105 5905	MT-GLAZE 560 JA 1/16W	R6371	401 105 5400	MT-GLAZE 47K JA 1/16W
R6214	401 105 1303	MT-GLAZE 15 JA 1/16W	R6372	401 105 5400	MT-GLAZE 47K JA 1/16W
R6221	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6373	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R6223	401 105 7404	MT-GLAZE 8.2K JA 1/16W	R6374	401 105 0603	MT-GLAZE 10K JA 1/16W
R6224	401 105 0405	MT-GLAZE 100 JA 1/16W	R6376	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R6227	401 105 0405	MT-GLAZE 100 JA 1/16W	R6377	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R6228	401 105 2706	MT-GLAZE 220 JA 1/16W	R6384	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6229	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R6386	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6232	401 105 5905	MT-GLAZE 560 JA 1/16W	R6801	401 105 5103	MT-GLAZE 47 JA 1/16W
R6233	401 105 5905	MT-GLAZE 560 JA 1/16W	R6802	401 105 5103	MT-GLAZE 47 JA 1/16W
R6234	401 105 1303	MT-GLAZE 15 JA 1/16W	R6803	401 105 5103	MT-GLAZE 47 JA 1/16W
R6241	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R7201	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6243	401 105 7404	MT-GLAZE 8.2K JA 1/16W	R7202	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6244	401 105 0405	MT-GLAZE 100 JA 1/16W	R7203	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6247	401 105 0405	MT-GLAZE 100 JA 1/16W	R7204	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6248	401 105 2706	MT-GLAZE 220 JA 1/16W	R7206	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6249	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R7207	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6252	401 105 5905	MT-GLAZE 560 JA 1/16W	R7208	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6253	401 105 5905	MT-GLAZE 560 JA 1/16W	R7209	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6254	401 105 1303	MT-GLAZE 15 JA 1/16W	R7211	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6321	401 105 0504	MT-GLAZE 1K JA 1/16W	R7212	401 105 3901	MT-GLAZE 33 JA 1/16W
R6322	401 105 0504	MT-GLAZE 1K JA 1/16W	R7213	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6323	401 105 0306	MT-GLAZE 10 JA 1/16W	R7223	401 105 0405	MT-GLAZE 100 JA 1/16W
R6324	401 105 0306	MT-GLAZE 10 JA 1/16W	R7224	401 105 0405	MT-GLAZE 100 JA 1/16W
R6326	401 105 0306	MT-GLAZE 10 JA 1/16W	R7228	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6328	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R7231	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6329	401 105 0504	MT-GLAZE 1K JA 1/16W	R7233	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6331	401 105 0504	MT-GLAZE 1K JA 1/16W	R7234	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6332	401 105 0504	MT-GLAZE 1K JA 1/16W	R7237	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6333	401 105 0306	MT-GLAZE 10 JA 1/16W	R7238	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R6334	401 105 0306	MT-GLAZE 10 JA 1/16W	R7239	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6335	401 105 0405	MT-GLAZE 100 JA 1/16W	R7252	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6337	401 105 0504	MT-GLAZE 1K JA 1/16W	R7253	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6338	401 105 0405	MT-GLAZE 100 JA 1/16W	R7254	401 105 0702	MT-GLAZE 100K JA 1/16W
R6339	401 105 0504	MT-GLAZE 1K JA 1/16W	R7262	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6341	401 105 0504	MT-GLAZE 1K JA 1/16W	R7263	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6342	401 105 0504	MT-GLAZE 1K JA 1/16W	R7264	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6343	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R7266	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6344	401 105 0702	MT-GLAZE 100K JA 1/16W	R7267	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6345	401 105 2805	MT-GLAZE 2.2K JA 1/16W	R7268	401 105 0405	MT-GLAZE 100 JA 1/16W
R6346	401 105 0405	MT-GLAZE 100 JA 1/16W	R7269	401 105 0405	MT-GLAZE 100 JA 1/16W
R6347	401 105 0504	MT-GLAZE 1K JA 1/16W	R7271	401 105 0405	MT-GLAZE 100 JA 1/16W
R6351	401 105 4601	MT-GLAZE 3.9K JA 1/16W	R7272	401 105 0405	MT-GLAZE 100 JA 1/16W
R6352	401 105 7305	MT-GLAZE 820 JA 1/16W	R7273	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6353	401 105 1709	MT-GLAZE 150K JA 1/16W	R7274	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6354	401 177 2109	MT-GLAZE 4.7M JA 1/16W	R7276	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6361	401 105 0504	MT-GLAZE 1K JA 1/16W	R7277	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6362	401 105 0504	MT-GLAZE 1K JA 1/16W	R7278	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6363	401 105 5400	MT-GLAZE 47K JA 1/16W	R7282	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6364	401 105 2102	MT-GLAZE 18K JA 1/16W	R7284	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R6366	401 105 0603	MT-GLAZE 10K JA 1/16W	R7287	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Key No. Part No. Description							Key No. Part No. Description						
R7801	401 105 0405	MT-GLAZE	100	JA	1/16W		R808	401 105 7909	MT-GLAZE	0.000	ZA	1/16W	
R7802	401 105 0405	MT-GLAZE	100	JA	1/16W		R8201	401 105 7909	MT-GLAZE	0.000	ZA	1/16W	
R7809	401 105 7909	MT-GLAZE	0.000	ZA	1/16W		R8202	401 105 7909	MT-GLAZE	0.000	ZA	1/16W	
R7811	401 105 7909	MT-GLAZE	0.000	ZA	1/16W		R8203	401 105 7909	MT-GLAZE	0.000	ZA	1/16W	
R7812	401 105 7909	MT-GLAZE	0.000	ZA	1/16W		R8206	401 105 0405	MT-GLAZE	100	JA	1/16W	
R7816	401 105 7909	MT-GLAZE	0.000	ZA	1/16W		R8207	401 105 0405	MT-GLAZE	100	JA	1/16W	
R7821	401 105 0504	MT-GLAZE	1K	JA	1/16W		R8208	401 105 7909	MT-GLAZE	0.000	ZA	1/16W	
R7823	401 105 0504	MT-GLAZE	1K	JA	1/16W		R8209	401 105 0405	MT-GLAZE	100	JA	1/16W	
R7824	401 105 6605	MT-GLAZE	6.8K	JA	1/16W		R8211	401 105 0603	MT-GLAZE	10K	JA	1/16W	
R7825	401 162 6303	MT-GLAZE	330	JA	1W		R8212	401 105 1501	MT-GLAZE	1.5K	JA	1/16W	
R7826	401 105 7909	MT-GLAZE	0.000	ZA	1/16W		R8213	401 105 0405	MT-GLAZE	100	JA	1/16W	
R7827	401 113 6703	MT-GLAZE	9.1K	JA	1/16W		R8214	401 105 0405	MT-GLAZE	100	JA	1/16W	
R7828	401 105 2409	MT-GLAZE	2K	JA	1/16W		R8217	401 105 0603	MT-GLAZE	10K	JA	1/16W	
R7829	401 269 1201	MT-GLAZE	270	JA	1W		R8218	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7831	401 105 0504	MT-GLAZE	1K	JA	1/16W		R8801	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7833	401 105 0504	MT-GLAZE	1K	JA	1/16W		R8802	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7834	401 105 6605	MT-GLAZE	6.8K	JA	1/16W		R8803	401 105 0603	MT-GLAZE	10K	JA	1/16W	
R7835	401 162 6303	MT-GLAZE	330	JA	1W		R8804	401 105 0603	MT-GLAZE	10K	JA	1/16W	
R7836	401 105 7909	MT-GLAZE	0.000	ZA	1/16W		R8811	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7837	401 113 6703	MT-GLAZE	9.1K	JA	1/16W		R8812	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7838	401 105 2409	MT-GLAZE	2K	JA	1/16W		R8814	401 105 0603	MT-GLAZE	10K	JA	1/16W	
R7839	401 269 1201	MT-GLAZE	270	JA	1W		R8816	401 105 7909	MT-GLAZE	0.000	ZA	1/16W	
R7841	401 105 0504	MT-GLAZE	1K	JA	1/16W		R8841	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7843	401 105 0504	MT-GLAZE	1K	JA	1/16W		R8842	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7844	401 105 6605	MT-GLAZE	6.8K	JA	1/16W		R8843	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7846	401 105 7909	MT-GLAZE	0.000	ZA	1/16W		R8861	401 105 7909	MT-GLAZE	0.000	ZA	1/16W	
R7847	401 113 6703	MT-GLAZE	9.1K	JA	1/16W		R8862	401 105 7909	MT-GLAZE	0.000	ZA	1/16W	
R7848	401 105 2409	MT-GLAZE	2K	JA	1/16W		R8863	401 105 0504	MT-GLAZE	1K	JA	1/16W	
R7851	401 105 0504	MT-GLAZE	1K	JA	1/16W		R8864	401 105 0504	MT-GLAZE	1K	JA	1/16W	
R7853	401 105 0504	MT-GLAZE	1K	JA	1/16W		R8866	401 105 5301	MT-GLAZE	4.7K	JA	1/16W	
R7854	401 105 6605	MT-GLAZE	6.8K	JA	1/16W		R8867	401 105 5301	MT-GLAZE	4.7K	JA	1/16W	
R7855	401 162 6303	MT-GLAZE	330	JA	1W		R8871	401 105 0306	MT-GLAZE	10	JA	1/16W	
R7856	401 1												

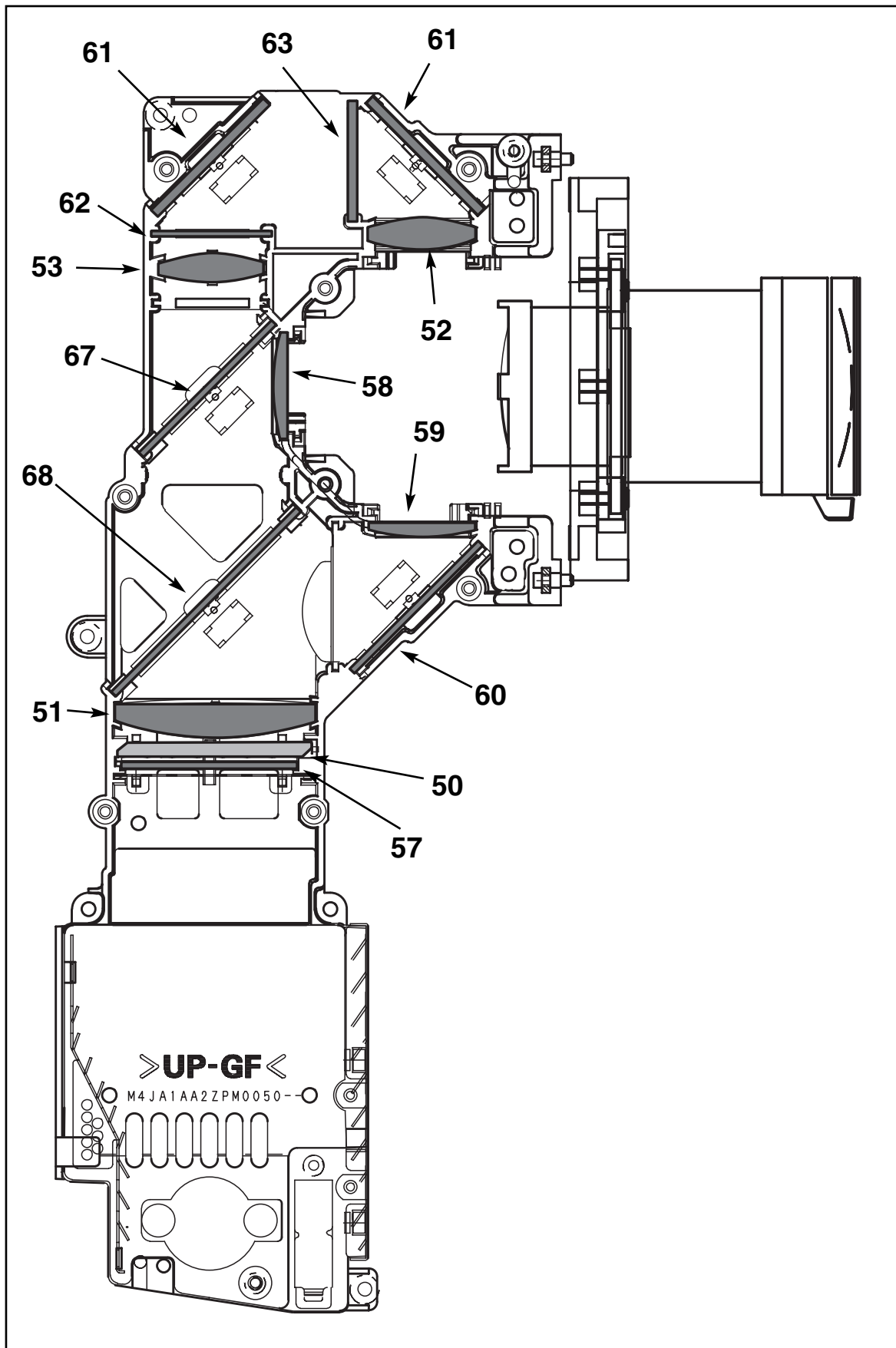
Key No.	Part No.	Description	Key No.	Part No.	Description
L531	645 020 1776	INDUCTOR,3.3U M	D7889	407 149 0807	DIODE 1SS355-TE-17
L532	645 020 1776	INDUCTOR,3.3U M	D7891	407 149 0807	DIODE 1SS355-TE-17
L5341	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D7892	407 149 0807	DIODE 1SS355-TE-17
L5601	645 038 4578	INDUCTOR,33U M	D7893	407 149 0807	DIODE 1SS355-TE-17
L561	645 020 1776	INDUCTOR,3.3U M	D7896	407 149 0807	DIODE 1SS355-TE-17
L5611	645 038 4578	INDUCTOR,33U M	D7899	407 149 0807	DIODE 1SS355-TE-17
L562	645 020 1776	INDUCTOR,3.3U M	D8861	407 149 0807	DIODE 1SS355-TE-17
L5622	645 038 4578	INDUCTOR,33U M	D8862	407 149 0807	DIODE 1SS355-TE-17
L6201	645 033 1725	INDUCTOR,80 OHM	D8864	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3
L6221	645 033 1725	INDUCTOR,80 OHM	D8866	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3
L6241	645 033 1725	INDUCTOR,80 OHM			
L6261	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	MISCELLANEOUS		
L6262	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	SW6803	645 026 2791	SWITCH,PUSH 1P-1TX1
L7201	645 026 0988	INDUCTOR,2.2U M	SW6804	645 026 2791	SWITCH,PUSH 1P-1TX1
L7801	645 026 1008	INDUCTOR,3.3U M	SW6806	645 026 2791	SWITCH,PUSH 1P-1TX1
L8201	645 020 1776	INDUCTOR,3.3U M	SW6807	645 026 2791	SWITCH,PUSH 1P-1TX1
L8202	645 020 1776	INDUCTOR,3.3U M	SW6808	645 026 2791	SWITCH,PUSH 1P-1TX1
L8203	645 026 0988	INDUCTOR,2.2U M	SW6809	645 026 2791	SWITCH,PUSH 1P-1TX1
DIODE			SW6811	645 026 2791	SWITCH,PUSH 1P-1TX1
D1541	407 208 9703	ZD UDZS-TE-175.6B	X121	645 034 6118	OSC,CRYSTAL 20.250MHZ
D2501	407 149 0807	DIODE 1SS355-TE-17	X1301	645 047 9113	OSC,CRYSTAL 10.0MHZ
D351	407 149 0807	DIODE 1SS355-TE-17	X1331	645 037 9352	OSC,CRYSTAL 24.000MHZ
D4501	407 149 0807	DIODE 1SS355-TE-17	X6351	645 035 8838	OSC,CERAMIC 500.0KHZ
D4801	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3	610 304 0240 ASSY,PWB,R/C M4JA 1AA0B10C4230B		
D4802	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3	CAPACITOR		
D5601	407 149 0807	DIODE 1SS355-TE-17	C2801	403 283 6309	CERAMIC 1U Z 10V
D5602	407 149 0807	DIODE 1SS355-TE-17	C2802	403 157 6602	CERAMIC 470P K 50V
D5603	407 149 0807	DIODE 1SS355-TE-17	C2803	403 378 3107	CERAMIC 47U Z 6.3V
D5606	407 209 1201	ZD UDZS-TE-176.2B	C2804	403 378 3107	CERAMIC 47U Z 6.3V
D5611	407 208 9703	ZD UDZS-TE-175.6B	RESISTOR		
D5621	407 208 9703	ZD UDZS-TE-175.6B	R2801	401 105 5103	MT-GLAZE 47 JA 1/16W
D5623	407 206 6308	ZD UDZS-TE-175.1B	R2802	401 105 0405	MT-GLAZE 100 JA 1/16W
D5642	407 149 0807	DIODE 1SS355-TE-17	MISCELLANEOUS		
D5651	407 149 0807	DIODE 1SS355-TE-17	A2801	645 056 9111	UNIT,REMOCON RECEIVER
D5661	407 149 0807	DIODE 1SS355-TE-17	610 304 0639 ASSY,PWB,SENSOR M4JA 1AA0B10C4230C		
D5662	407 149 0807	DIODE 1SS355-TE-17	INTEGRATED CIRCUIT		
D5671	407 149 0807	DIODE 1SS355-TE-17	IC8821	409 481 8602	IC LM76CHMX-5
D5681	407 149 0807	DIODE 1SS355-TE-17	CAPACITOR		
D5691	407 149 0807	DIODE 1SS355-TE-17	C8821	403 155 1609	CERAMIC 33P J 50V
D6801	407 149 0807	DIODE 1SS355-TE-17	C8822	403 155 1609	CERAMIC 33P J 50V
D6802	407 149 0807	DIODE 1SS355-TE-17	C8823	403 164 0204	CERAMIC 0.1U Z 25V
D6803	407 149 0807	DIODE 1SS355-TE-17	RESISTOR		
D7821	407 206 5608	ZENER DIODE UDZS-TE-1710B	R8821	401 105 0306	MT-GLAZE 10 JA 1/16W
D7831	407 206 5608	ZENER DIODE UDZS-TE-1710B	R8822	401 105 0306	MT-GLAZE 10 JA 1/16W
D7841	407 206 5608	ZENER DIODE UDZS-TE-1710B	R8823	401 105 0603	MT-GLAZE 10K JA 1/16W
D7851	407 206 5608	ZENER DIODE UDZS-TE-1710B	R8827	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
D7881	407 149 0807	DIODE 1SS355-TE-17	R8831	401 105 0405	MT-GLAZE 100 JA 1/16W
D7882	407 149 0807	DIODE 1SS355-TE-17			
D7883	407 149 0807	DIODE 1SS355-TE-17			
D7884	407 149 0807	DIODE 1SS355-TE-17			
D7887	407 149 0807	DIODE 1SS355-TE-17			

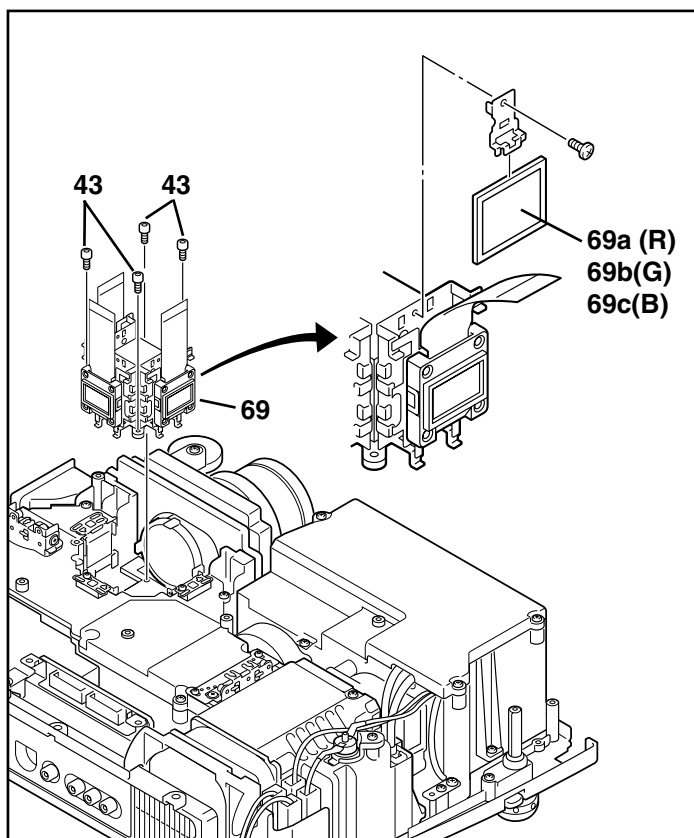
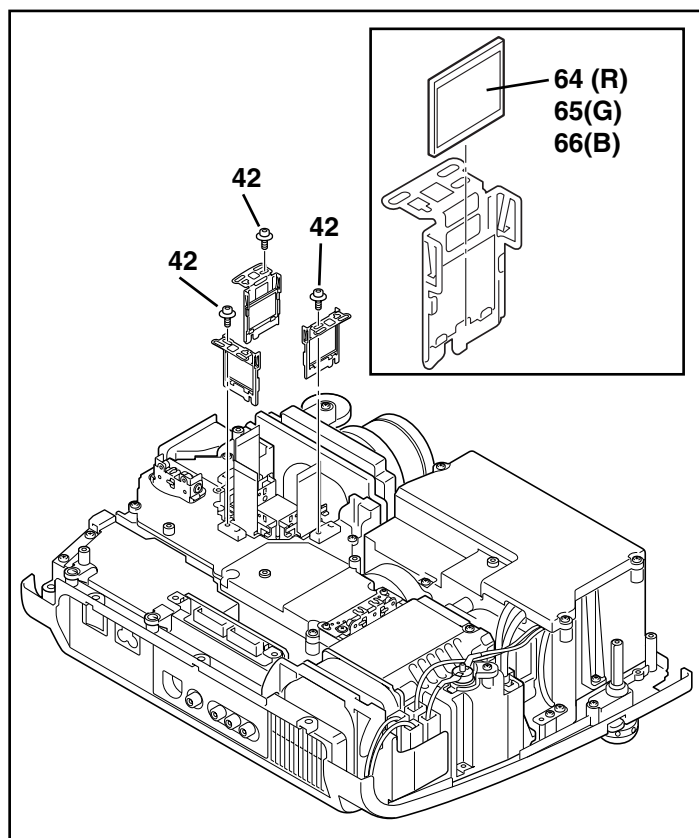
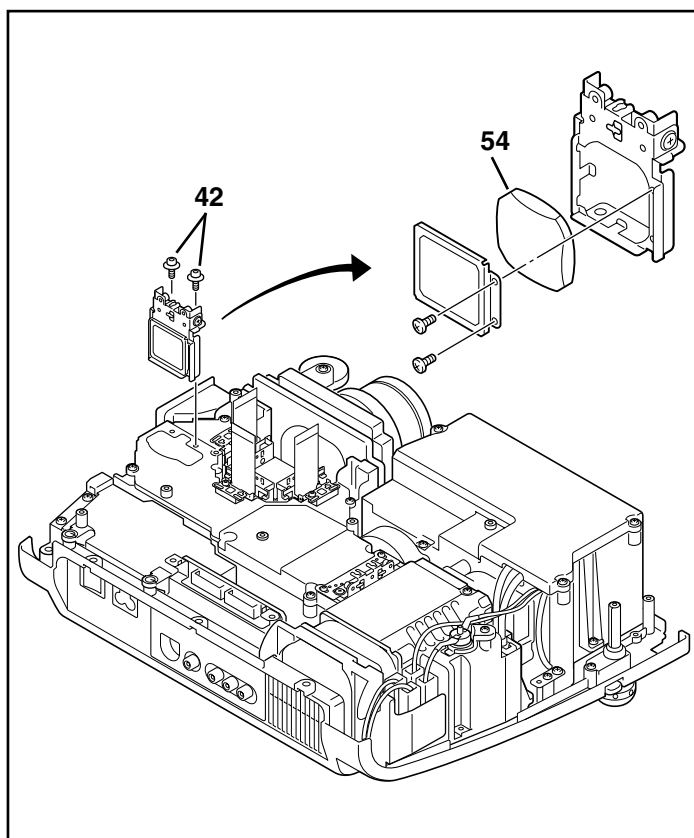
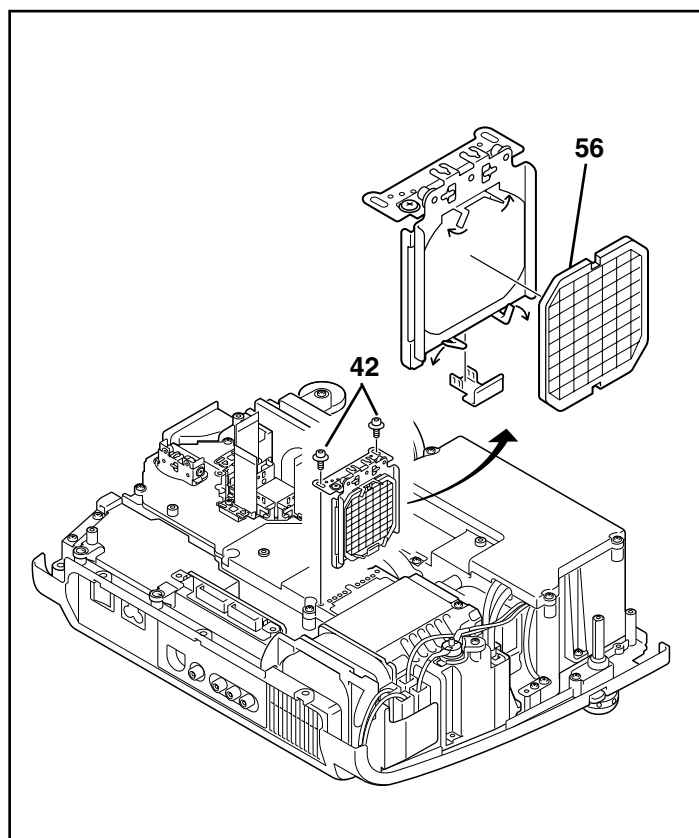
■ Mechanical (Optical) Parts List & Accessories



Mechanical (Optical) Parts List & Accessories

Key No.	Part No.	Description	Key No.	Part No.	Description
CABINET PARTS			OPTICAL PARTS		
1	610 299 8986	ASSY,BUTTON POWER-M4JA (Included '1-a' and '1-b')	50	645 044 2452	ASSY,PRISM(BEAM SPLITTER)
1-a	610 302 4875	BUTTON POWER-M4JA	51	645 041 5029	LENS,CONDENSER (OUT)
1-b	610 303 2405	CAP BUTTON-M4JA	52	645 041 5043	LENS,CONDENSER (B)
2	610 302 4844	COMPL,JOINT DOOR DUMPER L	53	645 041 5050	LENS,RELAY (IN)
3	610 302 6565	COMPL,JOINT DOOR DUMPER R	54	645 041 5067	LENS,RELAY (OUT)
4	610 302 4868	ASSY,PANEL NET (Air Filter)	55	645 056 0385	LENS,PROJECTION
5	610 302 4363	COMPL,STAND LEG L-M4JA	56	645 056 0439	LENS,INTEGRATOR (IN)
6	610 302 6572	COMPL,STAND LEG R-M4JA	57	645 056 0446	LENS,INTEGRATOR (OUT)
7	610 302 4882	BUTTON SELECT-M4JA	58	645 057 3941	LENS,CONDENSER (GV)
8	610 302 4394	CABINET TOP-M4JA	59	645 057 5808	LENS,CONDENSER (R)
9	610 302 4400	CABINET FRONT-M4JA	60	645 041 5494	MIRROR (R)
10	610 302 4431	CABINET BOTTOM-M4JA	61	645 041 5500	MIRROR (B)
11	610 302 4462	DOOR-M4JA	62	645 044 0526	OPTICAL FILTER (RG)
12	610 302 4929	DEC INLAY LED-M4JA	63	645 056 0453	OPTICAL FILTER (UV CUT)
13	610 302 5612	DEC SHEET-M4JA	64	645 056 0972	POLARIZED GLASS (IN/R) 0.7R
14	610 302 5322	DEC AV SHEET-M4JA	65	645 056 0941	POLARIZED GLASS (IN/G) 0.7R
15	610 302 4677	PANEL LMP-M4JA	66	645 056 0958	POLARIZED GLASS (IN/B) 0.7R
16	610 298 8567	SPACER LEG-MA8B	67	645 044 1011	DICHROIC MIRROR (G)
17	610 302 7647	STOPPER LID-M4JA	68	645 056 0477	DICHROIC MIRROR (R)
18	645 038 3601	BADGE,SANYO*26.2X5.7L26.0	69	610 302 5896	ASSY,LCD PNL/PSM L-M4JA
CHASSIS PARTS			69-a	645 056 0590	POLARIZED GLASS (OUT/R) 0.7
20	610 303 2825	COMPL,HOLDER LNS-M4JA	69-b	645 056 0606	POLARIZED GLASS (OUT/G) 0.7
21	610 302 4561	MOUNTING LNS-M4JA	69-c	645 056 0613	POLARIZED GLASS (OUT/B) 0.7
22	610 302 4608	MOUNTING POWER BTM-M4JA	ACCESSORIES		
23	610 302 4615	MOUNTING POWER TOP-M4JA	△ AC CORD		
24	610 302 4622	MOUNTING DUCT TOP-M4JA	(FOR Europe, Asia, Africa)		
25	610 302 4646	MOUNTING DUCT BTM-M4JA	645 051 6092	CORD,POWER-2.0MK	
26	610 302 4943	MOUNTING DUCT INT-M4JA	(FOR US)		
27	610 302 4653	MOUNTING DUCT LMP-M4JA	645 051 6078	CORD,POWER-1.8MK	
28	610 302 5162	MOUNTING AC PWB BTM-M4JA	(FOR UK)		
29	610 302 5179	MOUNTING AC PWB TOP-M4JA	645 051 6085	CORD,POWER-2.0MK	
30	610 302 5346	MOUNTING TEMP SW-M4JA	RC TRANSMITTER (CXKT)		
31	610 302 5643	SPACER POW CASE A-M4JA	645 055 9006	ASSY,REMOCON CXKT	
32	610 302 0587	OPTICAL BASE BTM-M4JA	610 302 5377	RC-BATTERY LID-CXKT	
33	610 302 0594	OPTICAL BASE TOP-M4JA	OWNER'S MANUAL		
34	610 303 4126	SPACER RING LNS M4JA	(English)		
SCREWS			610 302 5759	OWNER'S MANUAL-M4JA	
40	411 001 9006	SCR BIN 3X8	(Germany)		
41	411 002 2709	SCR FLT 3X6	610 302 5766	OWNER'S MANUAL-M4JA-D	
42	411 181 4303	BOLT HEX-SCT+SW+W 2.5X5	(French)		
43	412 058 5409	SPECIAL SCREW	610 302 5773	OWNER'S MANUAL-M4JA-F	
			(Italian)		
			610 302 5780	OWNER'S MANUAL-M4JA-I	
			(Spanish)		
			610 302 5797	OWNER'S MANUAL-M4JA-E	
			OTHERS		
			645 056 0545	CABLE,VIDEO	



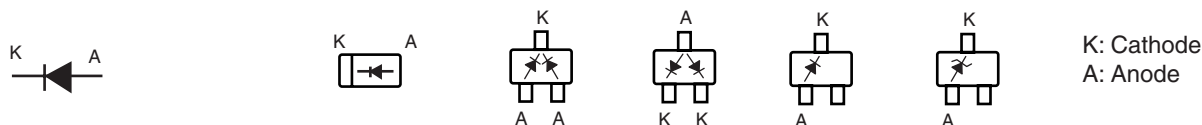


CAUTION

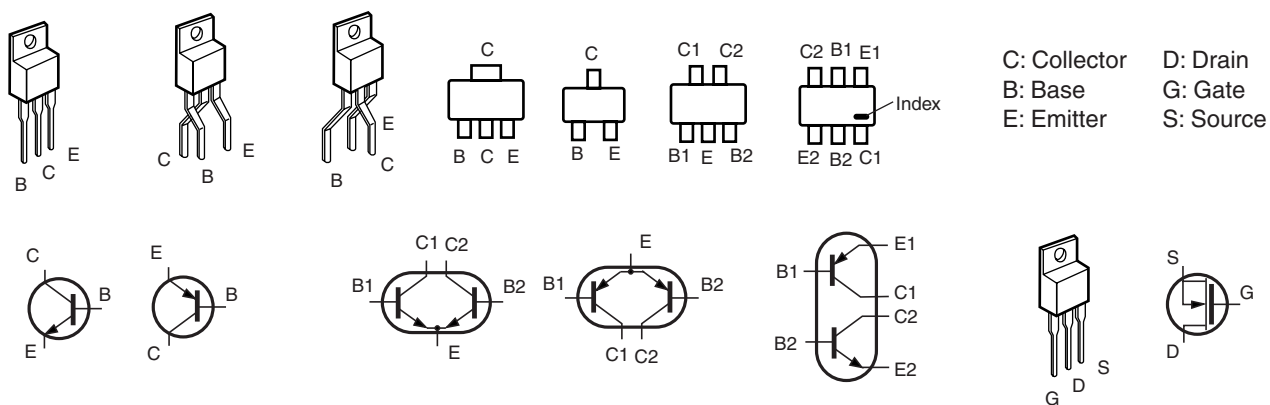
Part must be placed in specified direction when replacing the optical parts. Please see “Optical Parts Disassemblies” for further instructions.

Pin Description of Diode, Transistor and IC

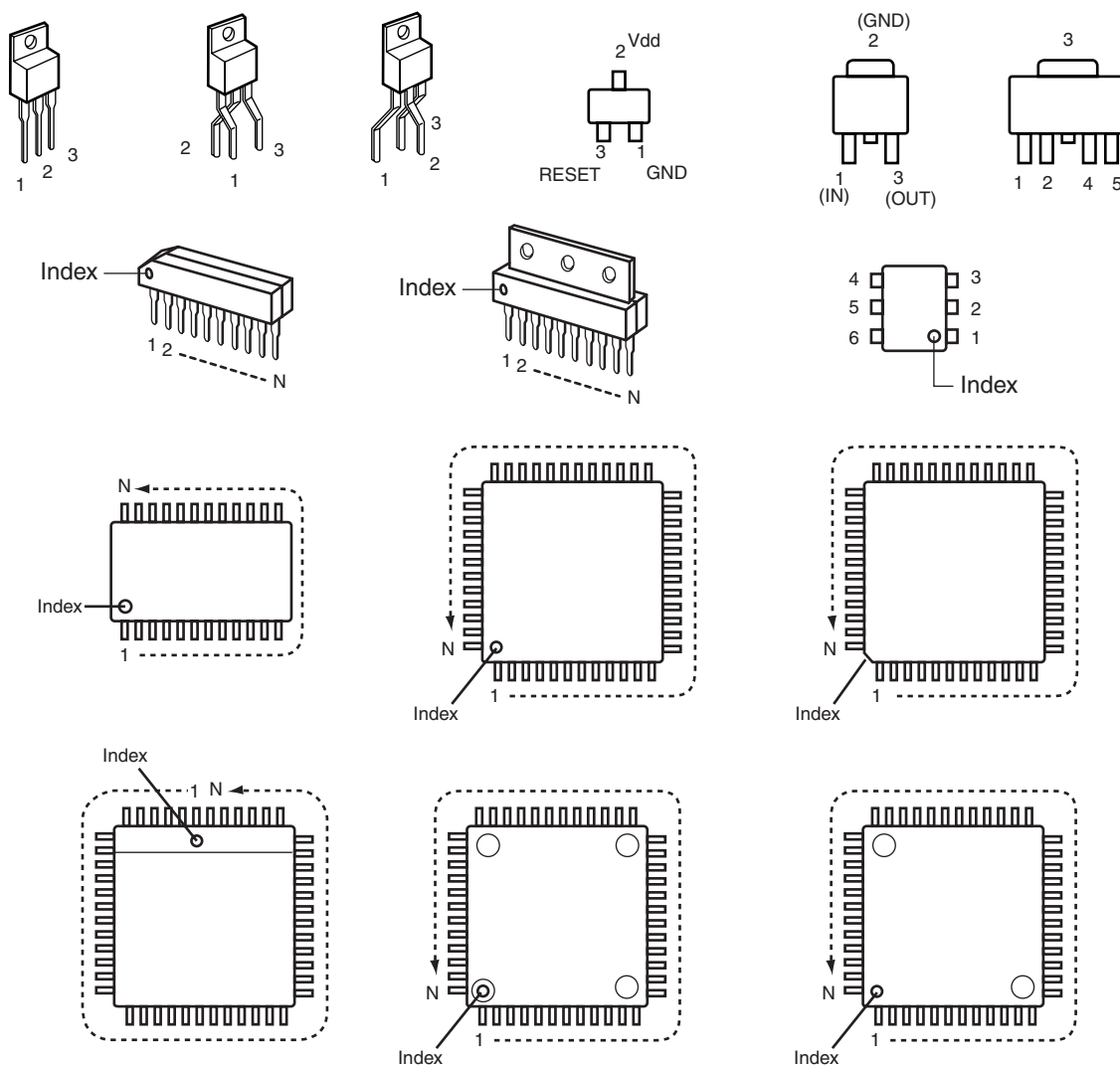
● Diode



● Transistor/FET



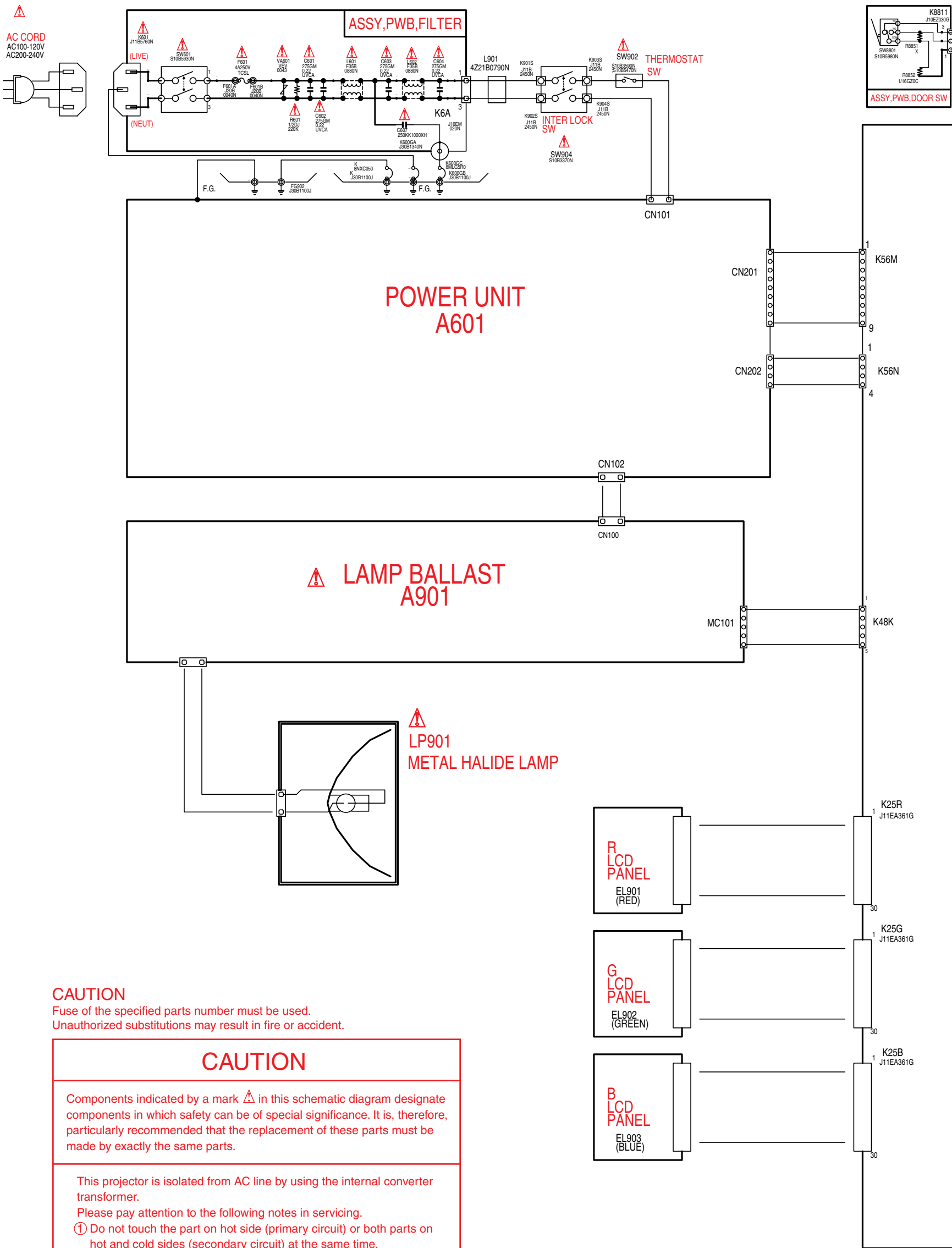
● IC

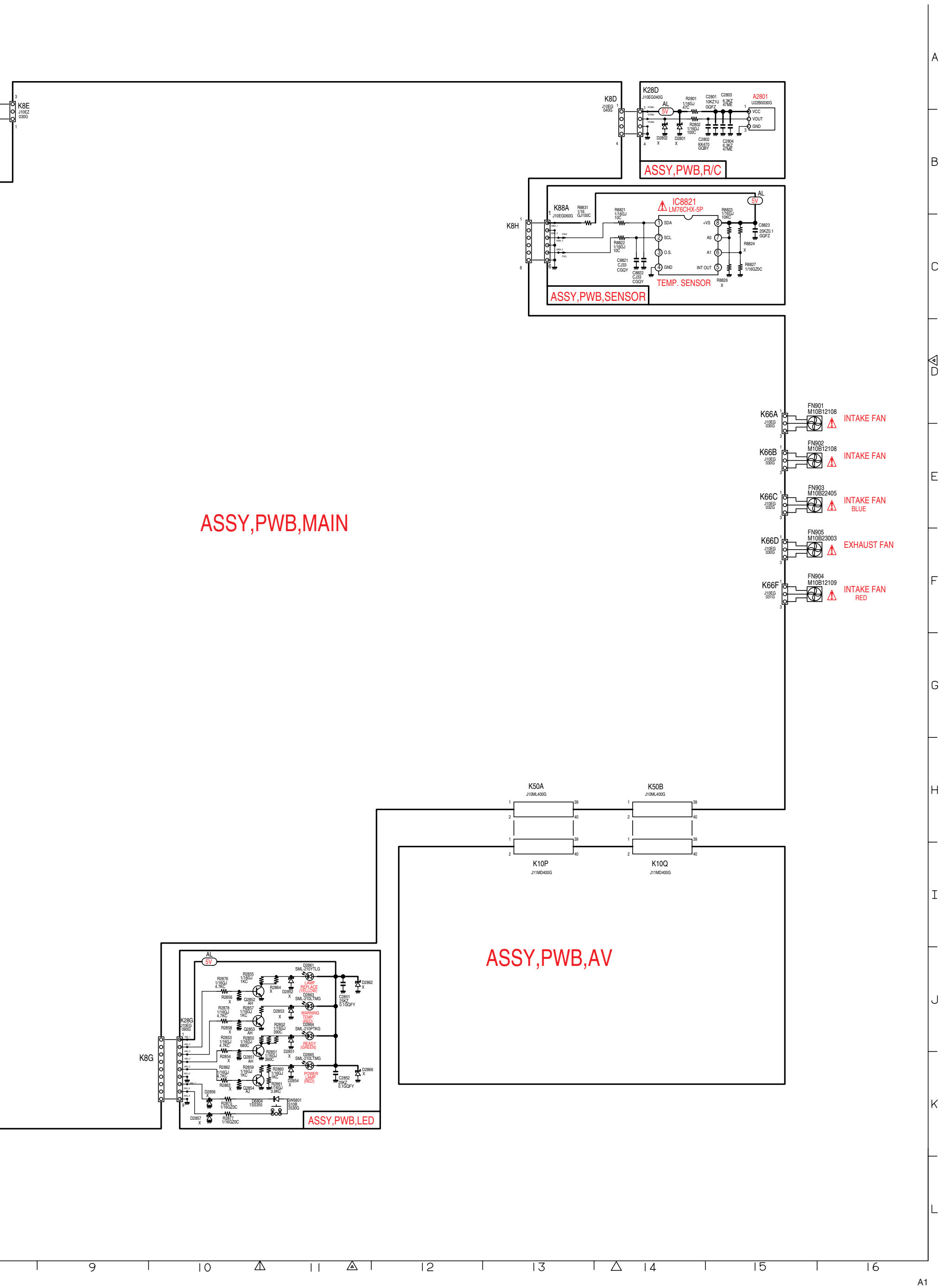


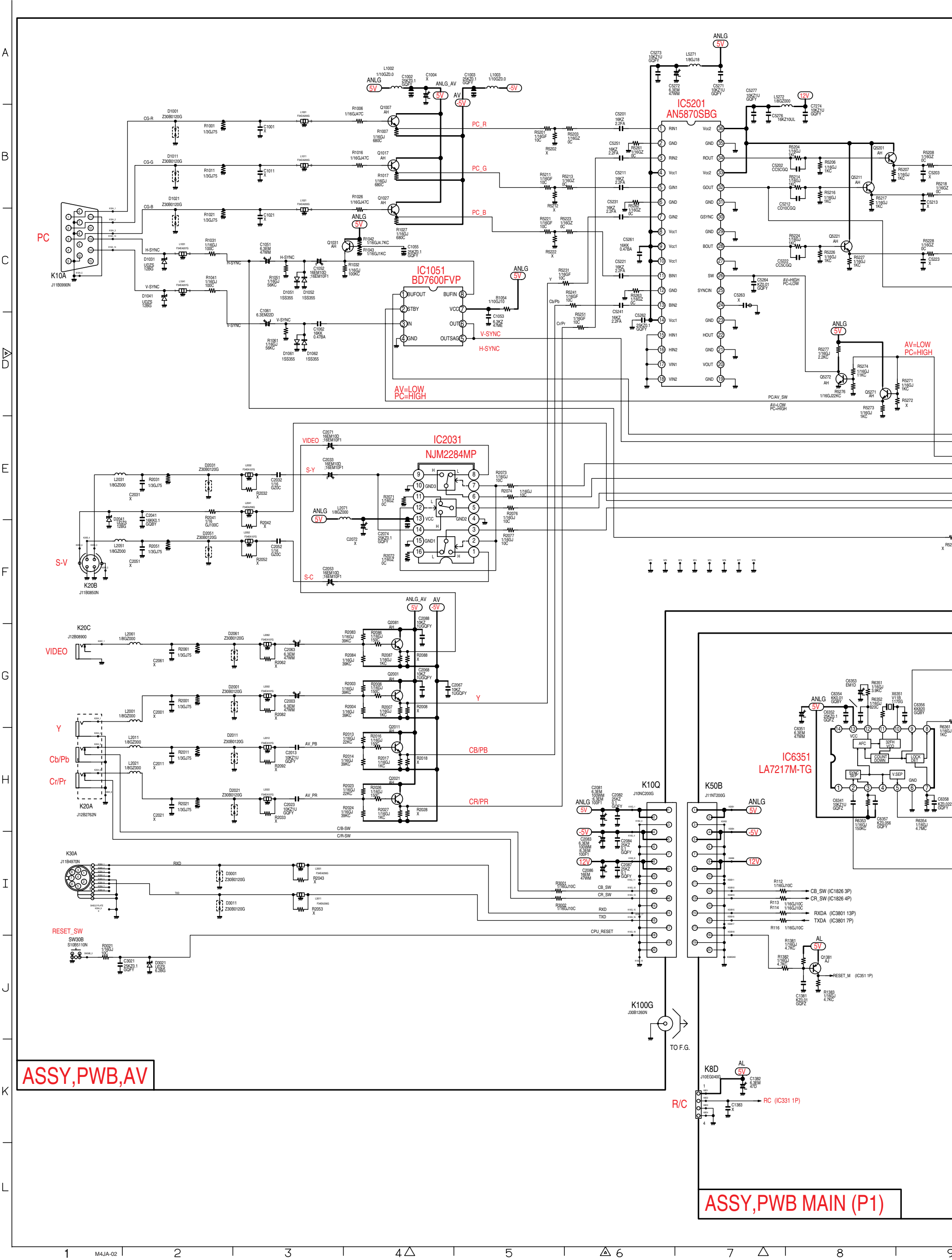


Schematic Diagrams

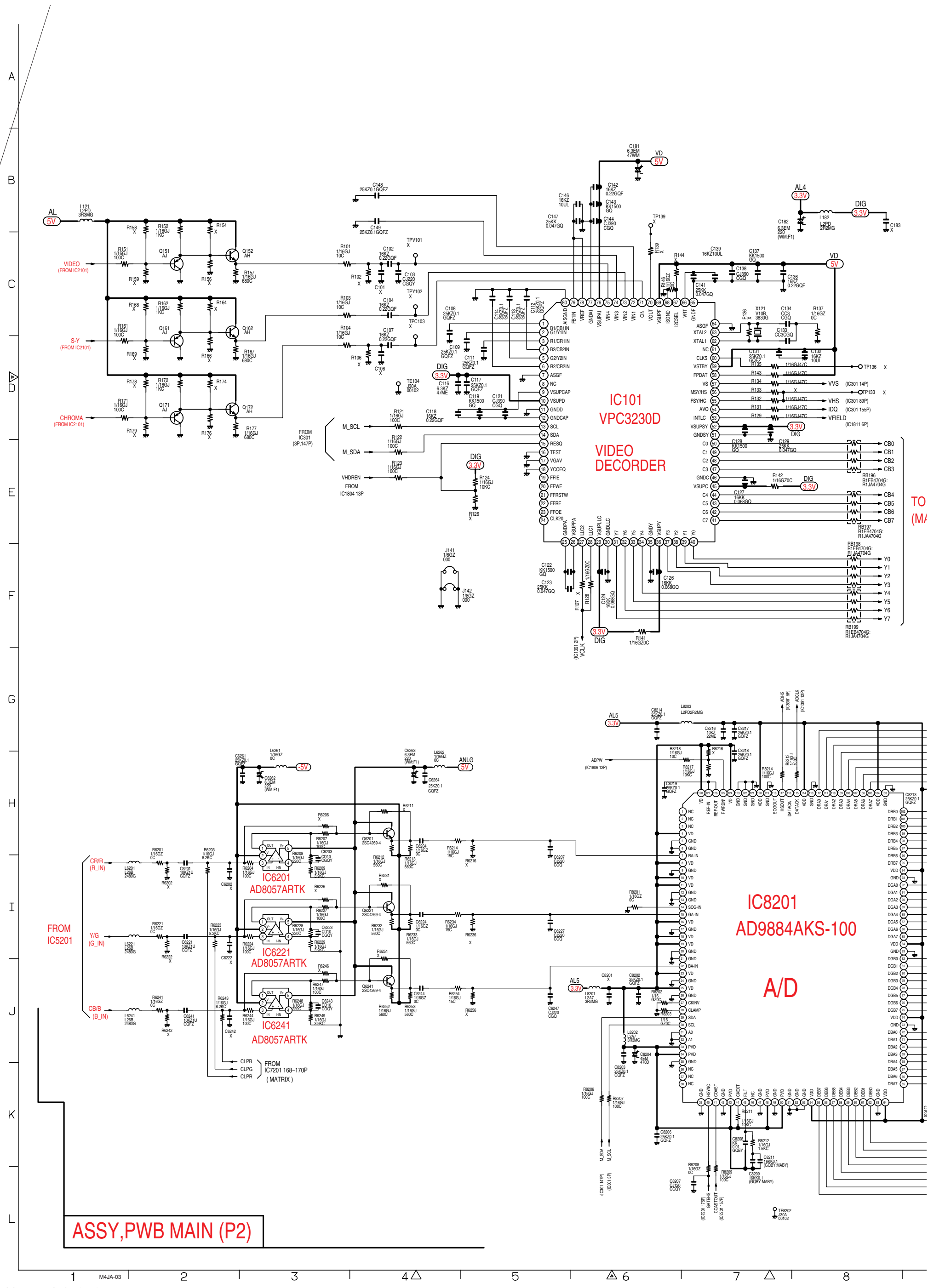
(0.7 WSVGA)

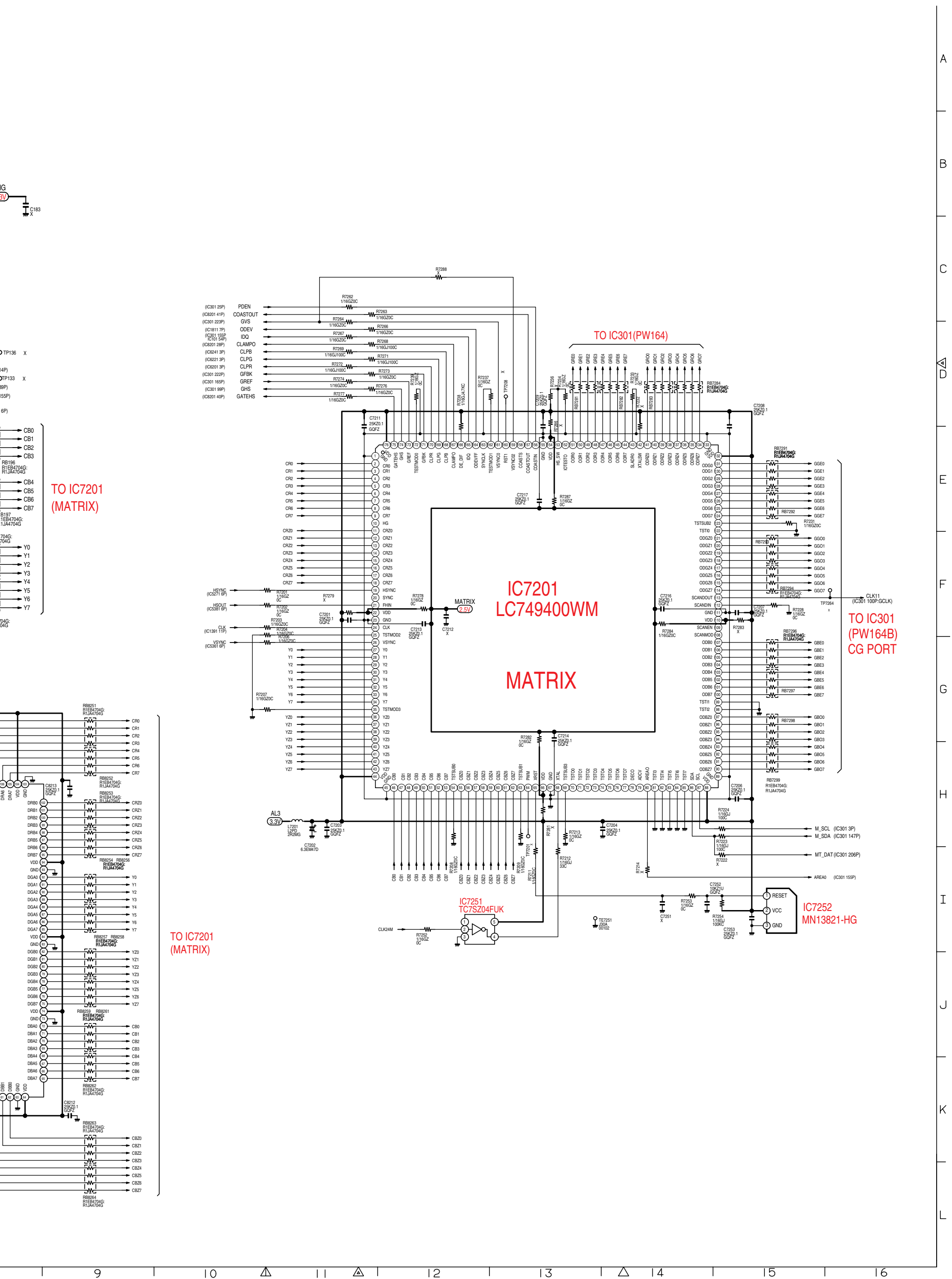


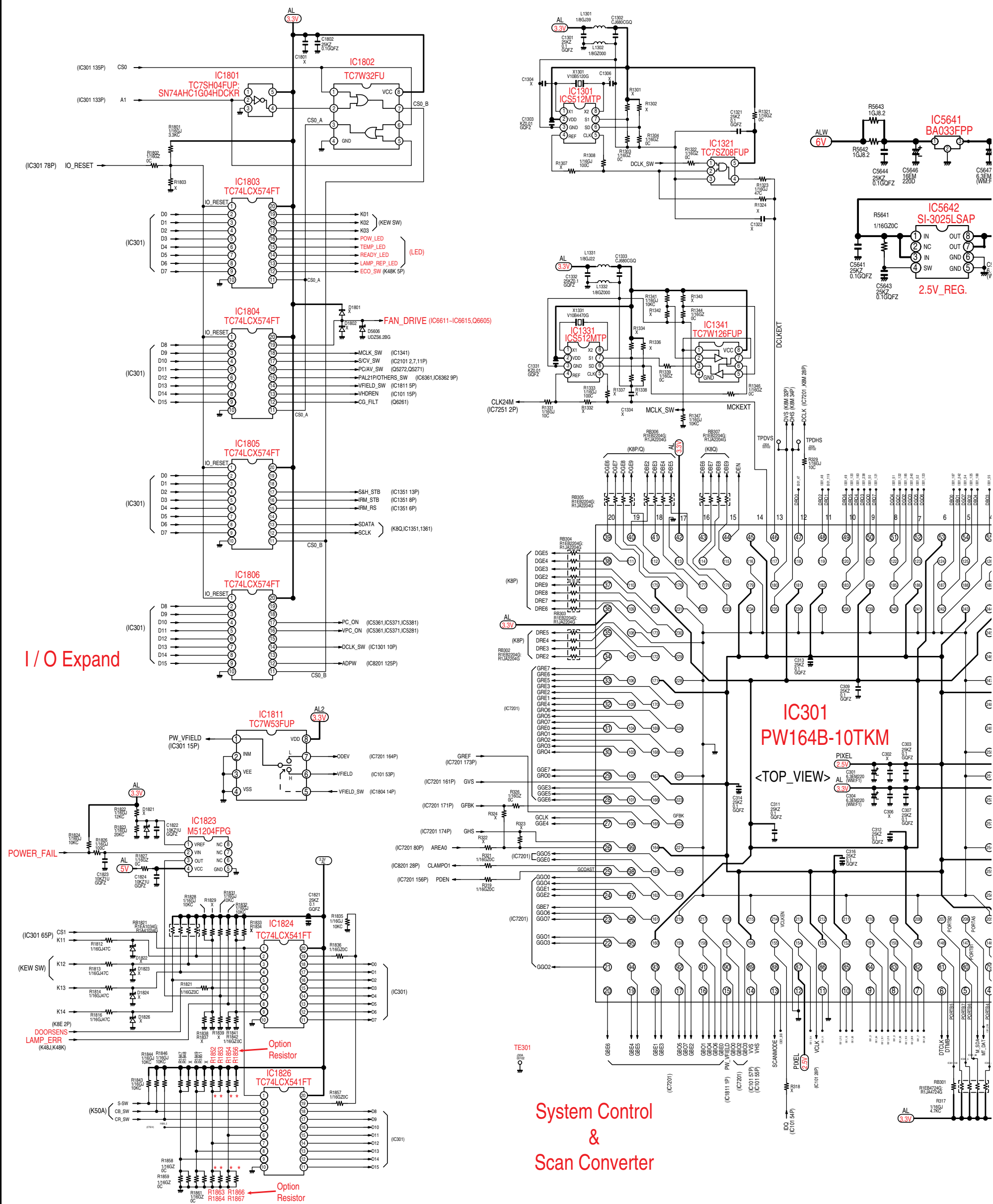


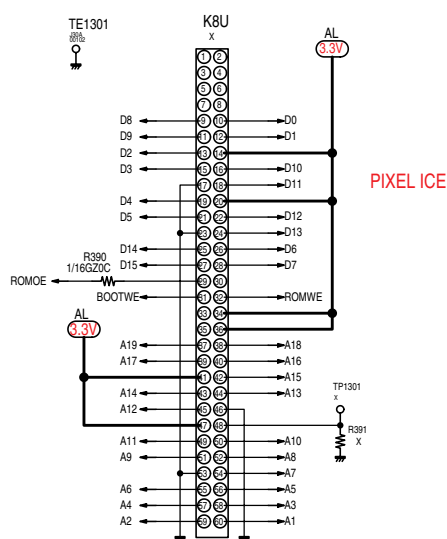
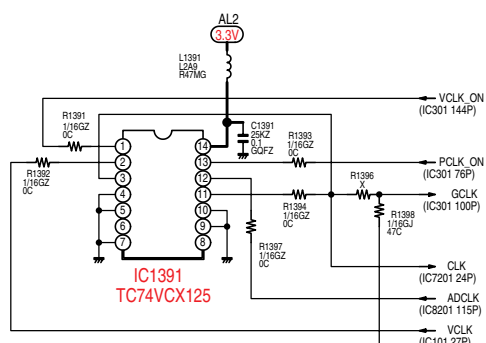
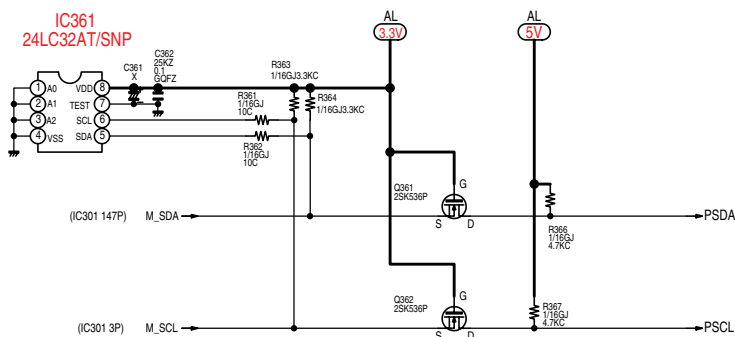
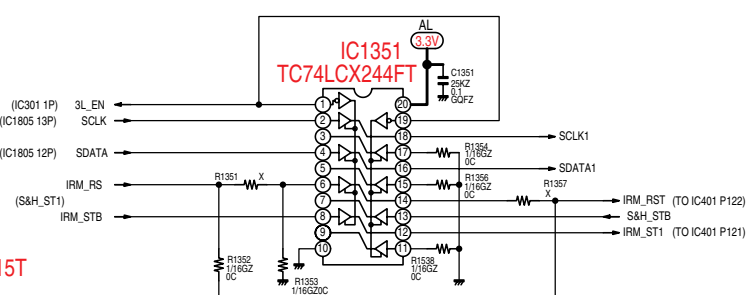
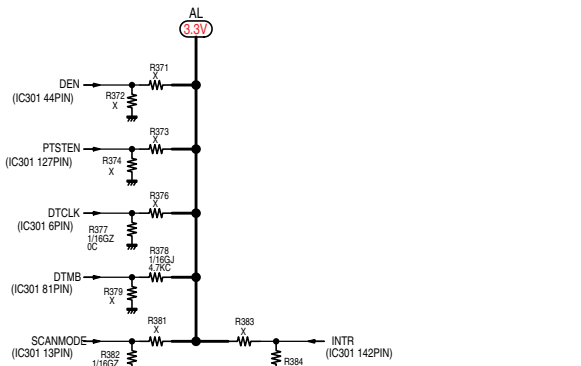


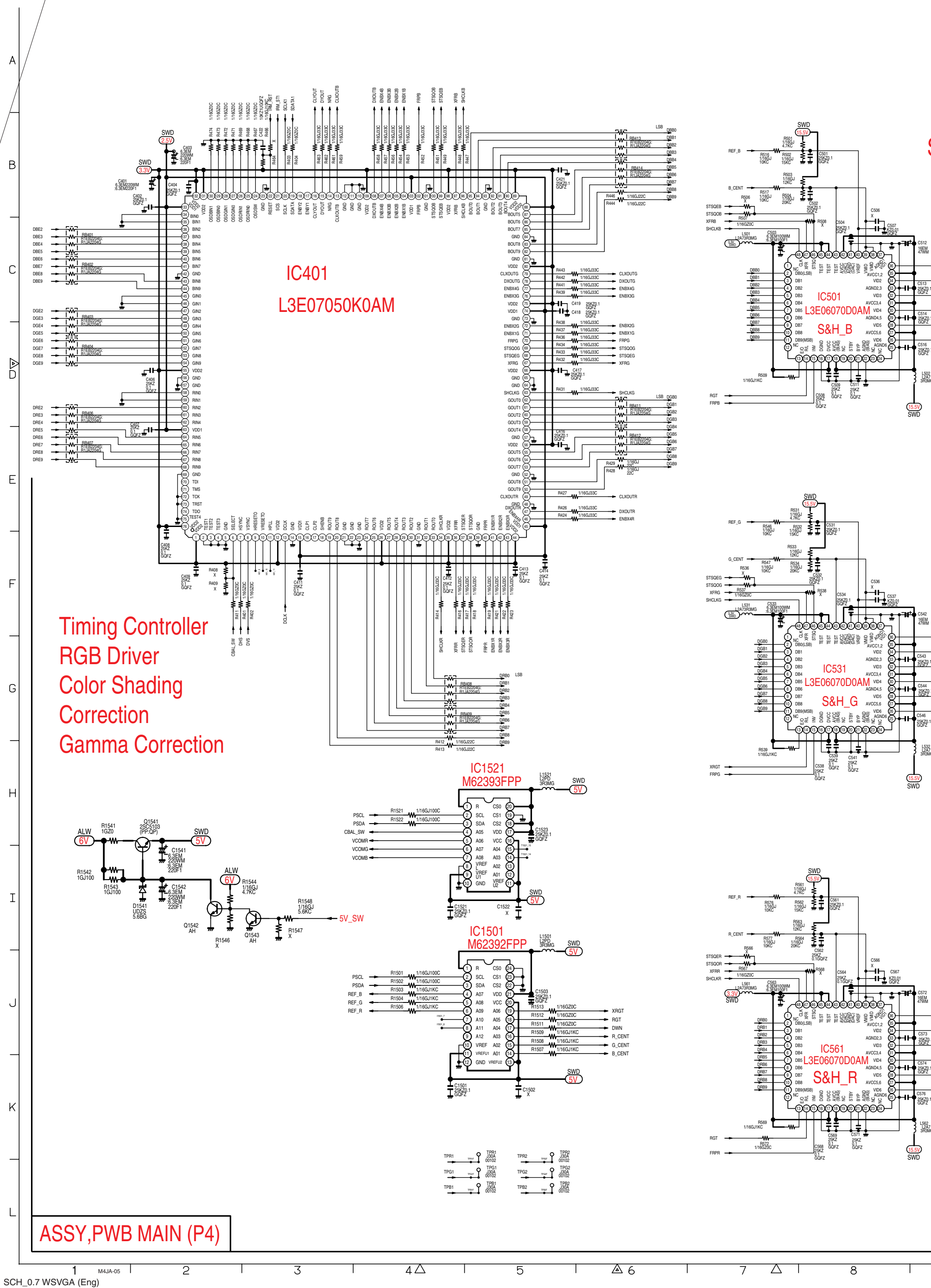














A

B

C

D

E

F

G

H

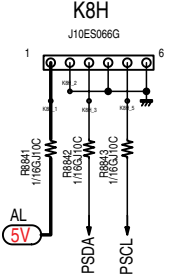
I

J

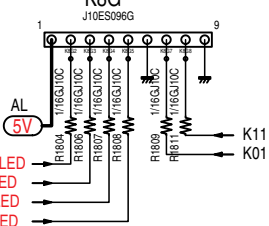
K

L

TEMP SENSOR

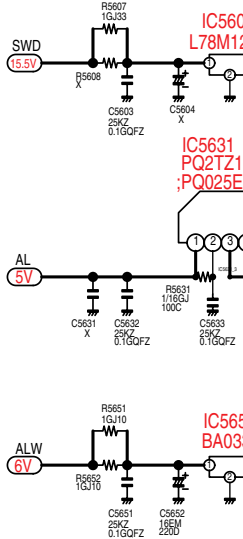
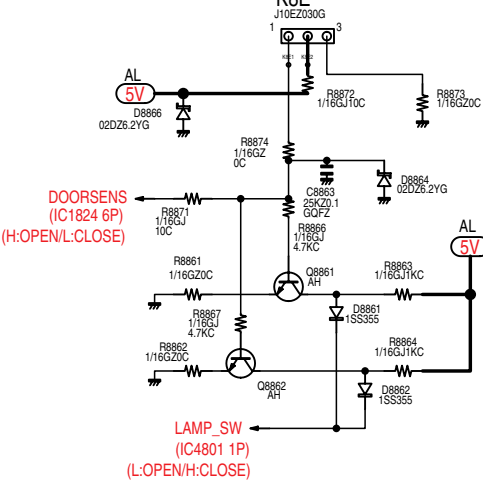


LED&POWER



(IC1803 13P) LAMP_REP_LED
(IC1803 15P) TEMP_LED
(IC1803 14P) READY_LED
(IC1803 16P) POW_LED

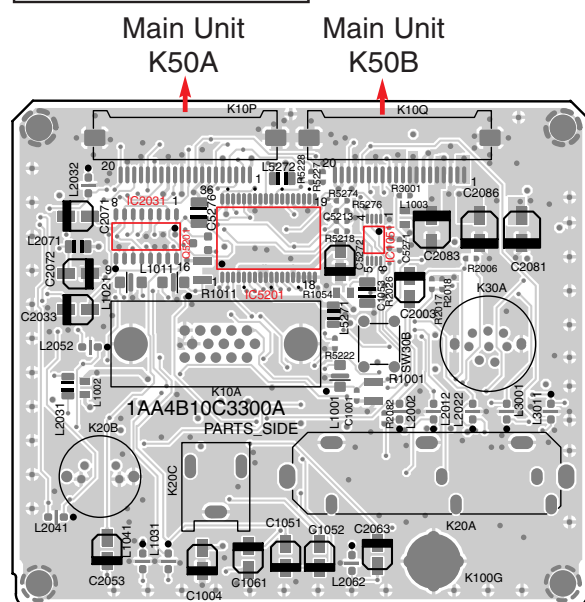
DOOR SENSOR



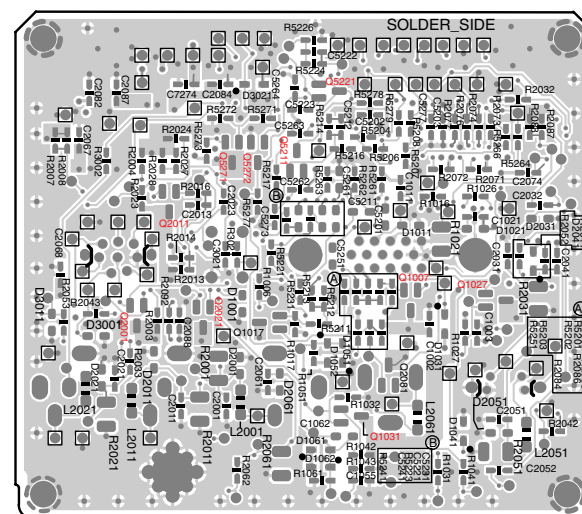


■ Printed Wiring Board Diagrams (0.7 WSVGA)

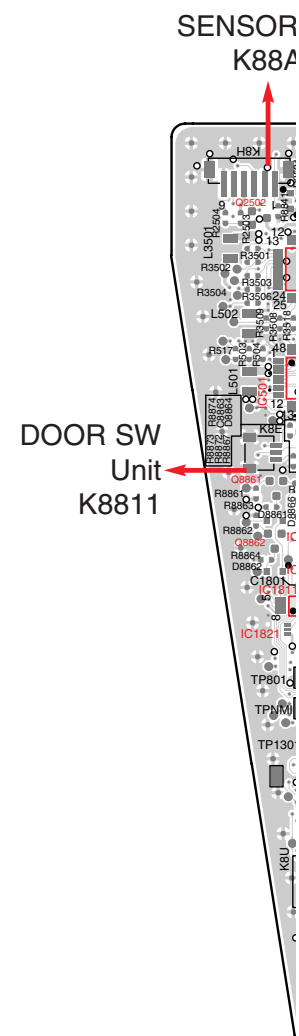
AV Board (SIDE:A)



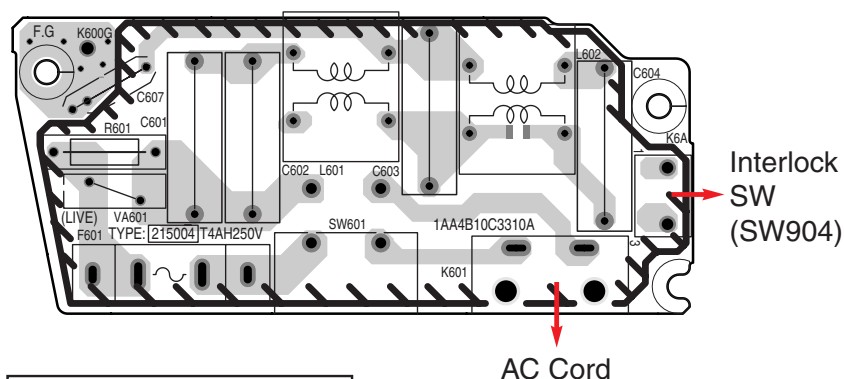
AV Board (SIDE:B)



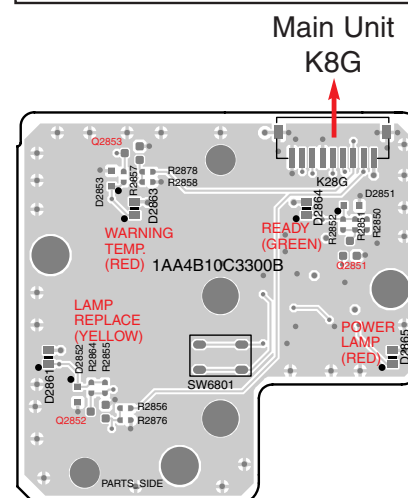
Main Board (SI



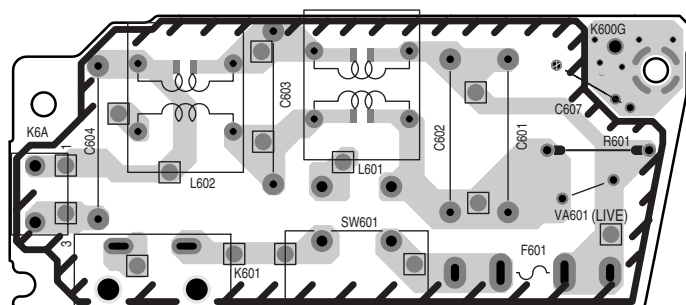
FILTER Board (SIDE:A)



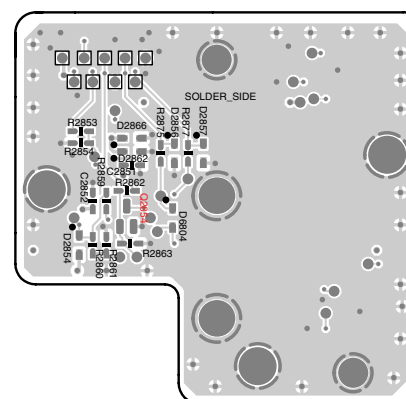
LED Board (SIDE:A)



FILTER Board (SIDE:B)



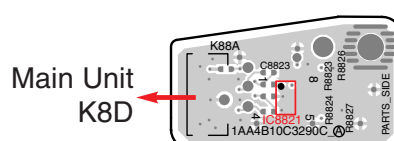
LED Board (SIDE:A)



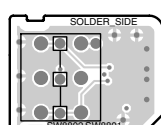
DOOR SW Board (SIDE:A)



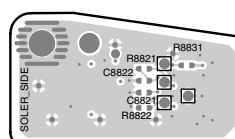
SENSOR Board (SIDE:A)



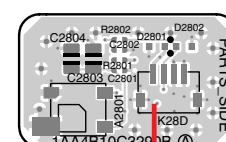
DOOR SW Board (SIDE:B)



SENSOR Board (SIDE:B)

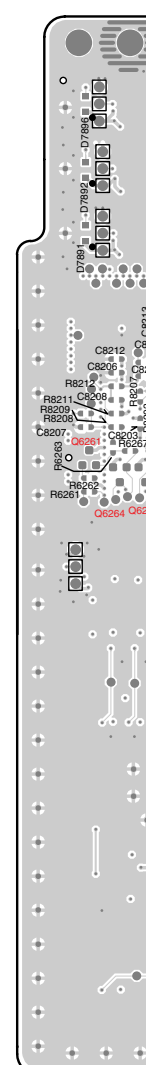
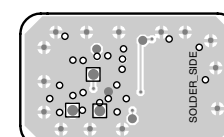


RC Board (SIDE:A)



Main Unit
K8D

RC Board (SIDE:B)

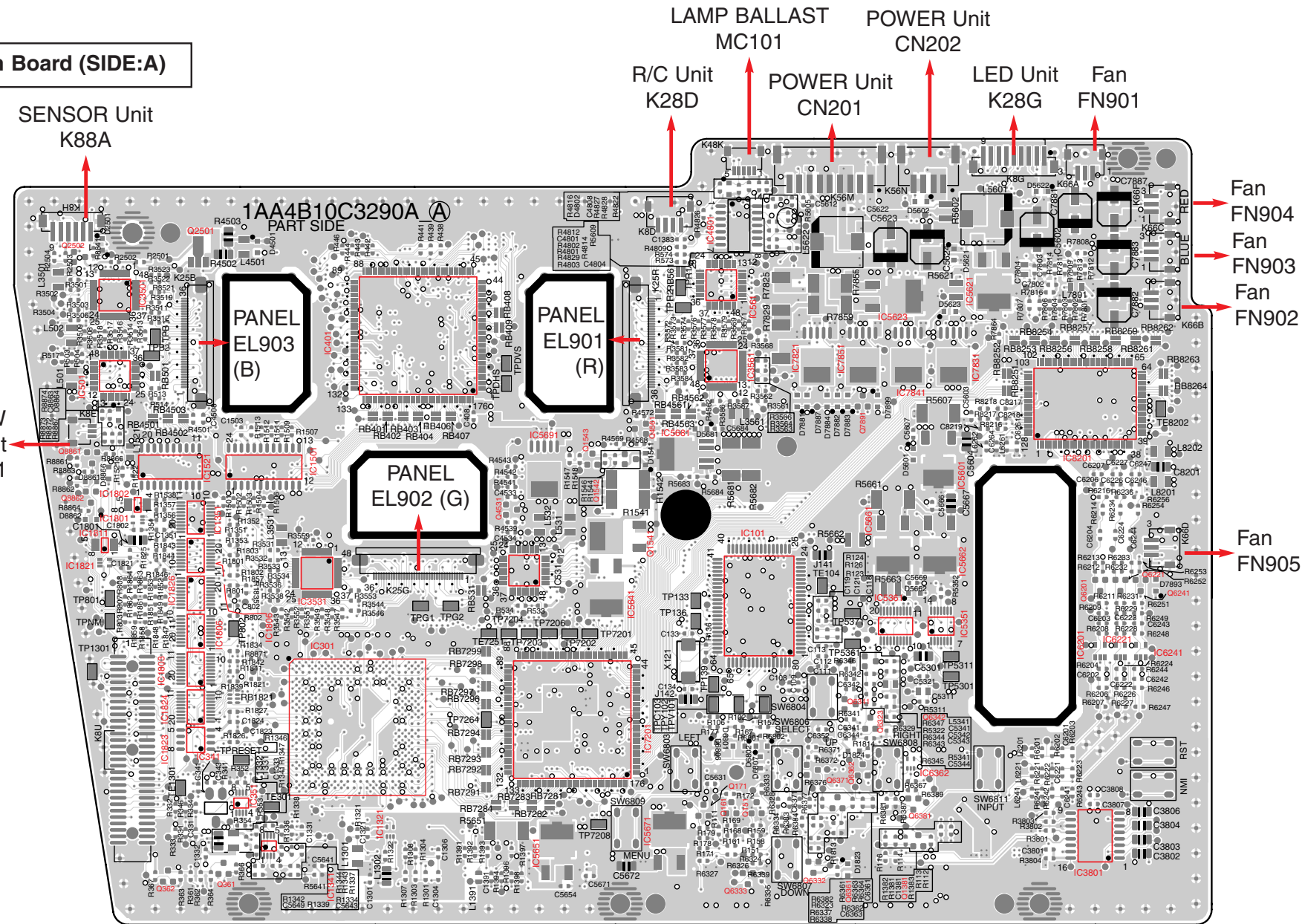


CAUTION

This projector is isolated from AC line by using the internal converter transformer. Please pay attention to the following notes in servicing

1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

Board (SIDE:A)



Main Board (SIDE:B)

